

# BIC BECKER INTERMEDIATES CATALOGUE

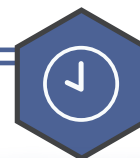
Global Intermediates  
and Active Ingredients Database  
Providing Comprehensive  
Life Science Chemistry



## WHO WILL BENEFIT

### Key Decision Makers

- Business Development Directors
- > Pharmaceutical Marketing Directors
- > Intermediates Producers
- > Purchasing & Procurement Managers
- > Import & Export Managers
- > Marketing Directors & Managers
- > Pharmaceutical Supply Managers
- > Pharmaceutical Research & Development Directors
- > Quality Assurance Directors
- > Logistics Managers
- > Agrochemical Research & Development Directors & Managers
- > Veterinary Research & Development Directors & Managers



## TIME SAVING FEATURES & BENEFITS

### Using the BIC

- > Search text data and structure separately or at the same time
- > Open exports with a web browser, Microsoft Word, or any other text processor, Acrobat or send by e-mail
- > Export selected data to Excel, or any other spreadsheet program
- > Retrieve chemical structures in a ChemDraw, molfile or jpeg file
- > Store selected data into folders for further use and processing

## KEY FEATURES

### The BIC covers active ingredients and key intermediates related to Life Science:

- > Profiles over 24,500 active ingredients, pharmaceuticals, diagnostic aids, food additives, agrochemicals, and pesticides from discovery phases to launch
- > Includes patent information and synthesis of molecules in preclinical, clinical, and launched phase molecules
- > Over 10,300 molecules with fully analyzed routes starting from basic commodities
- > Links active ingredients to technologies, named reactions, reagents, catalysts, and chemical classes
- > Provides necessary chemistry to non-infringing routes

### The BIC helps you gain insight into the Life Science market:

- > Discover the pipeline of any pharmaceutical company
- > Links intermediates & fine chemicals to active ingredients, which gives you intelligence regarding business opportunities
- > Identify key intermediates among 61,000 fine-chemicals and commodities
- > Extensive patent and scientific coverage



## USER FEEDBACK



*"The BIC is an efficient working tool which we use to very quickly identify existing commercial products and check the technology synthesis at a first glance. For me it is important that a database is very fast - which the BIC-is. With its searching tools (query language), I can sort out almost everything I want. It is important for anyone in the fine chemical industry to have quick access to all major pharma and agro products and to have a database which is updated frequently. There are many very useful features (eg. Classify Tool) which anyone can use to minimize time in future searches."*

**G.H., Director New Products, Alzchem**



## SUBSCRIBER ADVANTAGES



- > **Exclusive access to novel competitive production processes**
- > **Custom analysis of chemical data and patents**
- > **Receive 8 hours of FREE consulting service**
- > **FREE training and technical support on database operations**
- > **Also includes above 7500+, launched, OTC, reagents, orphan drug active ingredients**

## AVAILABLE FORMATS

Online access as single user accounts, updated daily

 +1 (214) 838-5749

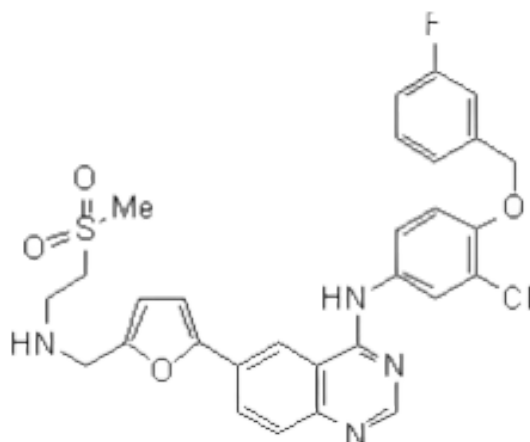
 [sales@beckerdata.com](mailto:sales@beckerdata.com)

**BECKER  
DATA** 

 5566 Main Street, Suite 206  
Frisco, TX 75033, U.S.A



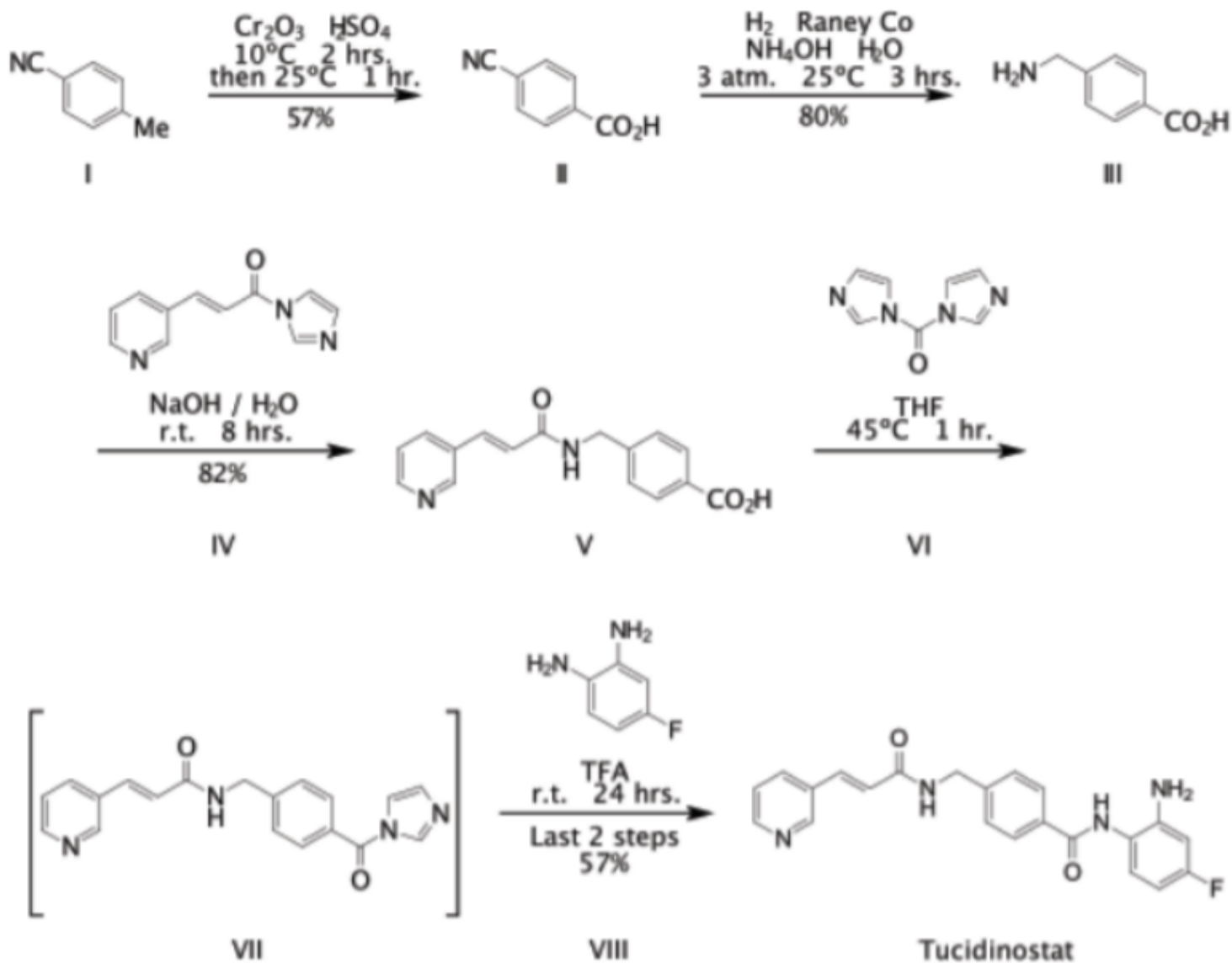
<https://beckerdata.com>



Product	Lapatinib
Nomenclature	N-[3-chloro-4-[(3-fluorophenyl)methoxy]phenyl]-6-[5-[[[2-(methylsulfonyl)ethyl]amino]methyl]-2-furanyl]-4-quinazolinamine
Chemical Class	Quinazoline
Other Names	Lapatinib Ditosylate (USAN) ; Lapatinib ditosylate monohydrate
Development Code	GW-572016 ; GW572016 ; GW-2016 ; GW2016 ; GW-572016F ; GW572016F ; GSK-572016 ; GSK572016 ; 572016
CAS Number	231277-92-2 ; 388082-78-8 (ditosylate monohydrate)
General Formula	C <sub>29</sub> H <sub>26</sub> ClFN <sub>4</sub> O <sub>4</sub> S
Molecular Weight	581.1
Originator	GlaxoSmithKline (GSK)
Developer	GlaxoSmithKline (GSK)
Uses	Antineoplastic
Market Status	Launched
Launching Date	2007
Brand	Tyverb (GSK: EU) Tykerb (GSK: USA)
Biological Class	Cytotoxic ; Apoptotic ; Antiproliferative
Activity Index	HER-2 (ErbB-2) and epidermal growth factor receptor (EGFR) dual kinase inhibitor
Original Patent	Bicyclic Heteroaromatic Compounds As Protein Tyrosine Kinase Inhibitors: WO9935146A1 (1999) Priority: GB19980000569, 12 Jan. 1998 (Glaxo Group Ltd, GB)
Priority Date	1998
Polymorph Patent	US8252805 ; US8435752 ; WO2008088861A2 ; WO2008088861A3 ; WO2009137714A2 ; WO2009137714A2 ; WO2009137714A3 ;

## Reaction steps (sequence) in Tucidinostat process

Process A (US20080039509, Shenzhen Chipscreen Bioscience, China)



## Intermediates used to produce Amrubicin

### FUTURE GENERICS Everything on life Science + +

HOME Welcome Simple search Multiple search Substructure search Folders News

HOME > Simple search > Results (short list) > Results (long list) > Monograph >

Download monograph (pdf)

Current folder:

[New folder](#)

[Back to Shortlist](#)

[Back to Longlist](#)

Product **Amrubicin** CAS Number 110267-81-7 ; 110310-03 (hydrochloride salt) Originator Sumitomo Chemical (Japan) Market Status

Product DMF Intermediate Reaction Sales SPC Trial

#### INTERMEDIATE 49 result(s)

	Nomenclature	CAS Num
I	1,4-benzoquinone	106-51-4
II	2-ethoxy-1,3-butadiene	
III	6-ethoxy-1,4,4a,5,8,8a-hexahydro-1,4-naphthalenedione	
IV	sodium ethoxide	141-52-6
V	iodomethane	74-88-4
VI	2-ethoxy-5,8-dimethoxy-1,4-dihydronaphthalene	
VII	5,8-dimethoxy-3,4-dihydro-2(1H)-naphthalenone	
VIII	potassium cyanide	151-50-8
IX	ammonium carbonate	506-87-6
X	spiro[1,2,3,4-tetrahydro-5,8-dimethoxynaphthalene-2,4'-hydantoin]	
XI	2-amino-1,2,3,4-tetrahydro-5,8-dimethoxy-2-naphthalenecarboxylic acid	
XII	acetic anhydride	108-24-7

## Find all APIs that use 7-ACA in its production

### FUTURE GENERICS Everything on life Science + +

Logout

HOME Welcome Simple search Multiple search Substructure search Folders News

HOME > Simple search > Results (short list) > Results (long list) > Monograph >

Current folder:

[New folder](#)

[Back to Shortlist](#)

[Back to Longlist](#)

Nomenclature **7-aminocephalosporanic acid**

Intermediate Product

#### PRODUCT 58 result(s)

Product	CAS Number	Originator	Market Stat
Cefacetrile	10206-21-0	Ciba-Geigy (Novartis)	Launched
Cefactor	70356-03-5	Eli Lilly	Launched
Cefaloridine	50-59-9	Glaxo (GSK)	Launched
Cefamandole	34444-01-4	Eli Lilly	Launched
Cefepime	88040-23-7 ; 123171-59-5 (dihydrochloride monohydrate)	Bristol-Myers Squibb (BMS)	Launched
Cefodizime	69739-16-8	Hoechst (Sanofi-Aventis)	Launched
Cefotetan	69712-56-7	Yamanouchi (Astellas)	Launched
Cefoxitin	35607-66-0	Merck & Co.	Launched
Cefpimizole	84880-03-5	Ajinomoto	Launched
Cefprozil	92665-29-7 ; 121123-17-9 (hydrate)	Bristol-Myers Squibb (BMS)	Launched
Cefuzonam	82219-78-1	American Cyanamid (Wyeth)	Launched
L-658758	116507-04-1	Merck & Co.	discontinue

Search almost 2,000 technologies

**FUTURE GENERICS** Everything on life Science + + +

[HOME](#) [Welcome](#) [Simple search](#) [Multiple search](#) [Substructure search](#) [Folders](#) [News](#)

[HOME](#) > [Simple search](#) >

SEARCH on **Product**

[Clear search](#) [Search options](#)

Attributes **Results [0]**

- [Product Comments](#)
- [Product Indications](#)
- [Recipes](#)
- [References](#)
- [Related product](#)
- Technology 1941**
- [Uses 1526](#)

Between each query's attribute, use this operator :  and  or  but

- Some attributes has lists of values.  
 - Click on attribute's name to add it to the query.  
 - Click on attributes' number to display & select a value.

**FUTURE GENERICS** Everything on life Science + + +

[HOME](#) [Welcome](#) [Simple search](#) [Multiple search](#) [Substructure search](#) [Folders](#) [News](#)

[HOME](#) > [Simple search](#) > [Results \(short list\)](#) >

Find over 1,000 active ingredients that use esterification in their production

**PRODUCT** 1082 result(s)

[Export list \(displayed results\)](#) [See all results](#)

Product	CAS Number	Originator	Market Status	Uses
(+)-YW-391		Panorama Research	Preclinical	Antineoplastic
(+)-YW-392		Panorama Research	Preclinical	Antineoplastic
(S)-Desmethylzopiclone	151776-26-0	Sumitomo Dainippon Pharma	Discontinued	Anxiolytic
1'-EpiGemcitabine	122111-05-1	CHEMAGIS LTD	Reagent	Antineoplastic
1'-EpiGemcitabine 3',5'-Dibenzoate	134790-40-2	PRIME EUROPEAN THERAPEUTICALS S.P.A,	Reagent	Antineoplastic
18F-EF5	152721-37-4		Phase 2	Radioprotectant ; Diagnostic aid
2-m-Hydroxy paclitaxel	132160-31-7		Reagent	Antineoplastic
3'-EpiGemcitabine	103882-85-5	CHEMAGIS LTD	Reagent	Antineoplastic
3'-para-Hydroxy paclitaxel	132160-32-8		Reagent	Antineoplastic
3-Hydroxymethyl-DCK		Panacos Pharmaceuticals	Preclinical	Antiviral

## Search the BIC/FGD by structure/sub-structure

**FUTURE GENERICS** Everything on life Science +

[HOME](#) [Welcome](#) [Simple search](#) [Multiple search](#) [Substructure search](#) [Folders](#) [News](#)

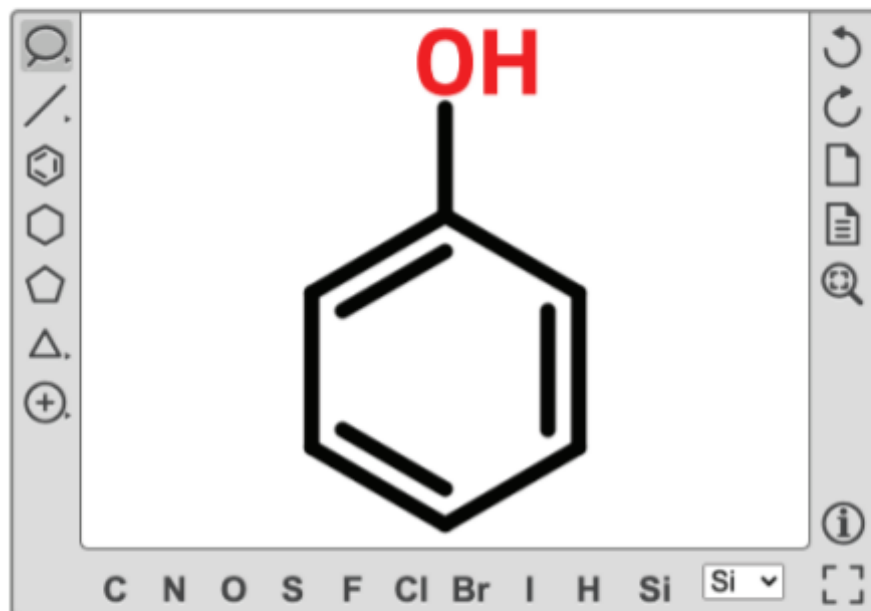
[HOME](#) > [Substructure search](#) >

### SUBSTRUCTURE SEARCH

Selected mode3: Any browsing software with JavaScript ; Online structure drawing App

Procedure:

Step 1: Draw the chemical structure or import a mol file (Menu File / Open)



Step 2: Select the search target:  Active Ingredient /  Intermediate /  Both

Step 3: Click on

## Search APIs by market status

### GENERICS

Everything on life Science + + +

[Simple search](#) [Multiple search](#) [Substructure search](#) [Folders](#) [News](#)

[Search](#) >

Product

Market: Phase II

[Clear search](#) [Search options](#)

Attributes

[General Formula](#) 15893

[High Potency](#) 1

[Market Status](#) 47

[Nomenclature](#)

[Originator](#) 7705

[Other Names](#) 10601

Market Status > Results [47]

Begin with   1 / 1

[Phase I/II/III/IV](#)

[Phase III](#)

[Phase IV](#)

[Preclinical](#)

[Preclinical \(2000\)](#)

[Preclinical \(inhaled\)](#)

Between each query's attribute, use this operator:  and  or  but

### FUTURE GENERICS

Everything on life Science + + +

[HOME](#) [Welcome](#) [Simple search](#) [Multiple search](#) [Substructure search](#) [Folders](#) [News](#)

[HOME](#) > [Simple search](#) > [Results \(short list\)](#) >

Uncover and discover the pipeline of any pharmaceutical company

PRODUCT 546 result(s)

[Export list \(displayed results\)](#) [See all results](#)

Product	CAS Number	Originator	Market Status	Uses
177Lu-Satoreotide tetraxetan		Novartis Pharma AG	Phase 1	Antineoplastic ; Radioligand
4-demethylepothilone B		Novartis	Preclinical	Antineoplastic
5-CNAC	204852-67-5	Novartis AG	Launched	Anti-osteoarthritis
68Ga-satoreotide trizoxetan		Novartis Pharma AG	Phase 2 ; Orphan Drug Status	Diagnostic Imaging ; Radioligand
8-Amino-9-benzyl-guanine	100890-94-6	Ciba-Geigy (Novartis)	discontinued	Antineoplastic
90Y-Edotreotide	189758-25-6	Novartis	Phase 2 ; Orphan Drug Status	Antineoplastic
A-66	1166227-08-2	Novartis AG	Preclinical	Antineoplastic
A-dmDT390-bisFv(UCHT1)		Government of the USA (US) ; Novartis AG (Switzerland)	Phase 1/2	Antineoplastic
AAL-993		Novartis Pharma ; Schering AG	Preclinical	Antineoplastic
ABN-912		Novartis	discontinued	Antirheumatic ; Anti-arthritis