



LIST OF ONCOLOGY API'S AND INTERMEDIATES

S.no.	Name of the Product	IUPAC NAME	CAS no.	Treatment for
1	Bicalutamide	N-[4-cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl)sulfonyl]-2-hydroxy-2-methylpropanamide	90357-06-5	Prostate cancer
2	Busulfan	Butane-1,4-diyl dimethanesulfonate	55-98-1	Myeloid leukemia (CML)
3	Carboplatin	cis-diammine(cyclobutane-1,1-dicarboxylate-O,O')platinum(II)	41575-94-4	Ovarian cancer
4	Cisplatin	(SP-4-2)-diamminedichloroplatinum(II)	15663-27-1	Testicular cancer
5	Capecitabine	Pentyl [1-(3,4-dihydroxy-5-methyltetrahydrofuran-2-yl)-5-fluoro-2-oxo-1H-pyrimidin-4-yl]carbamate	154361-50-9	Colorectal cancer, Breast cancer, Gastric cancer, Oesophageal cancer
6	Cyclophosphamide	(RS)-N,N-bis(2-chloroethyl)-1,3,2-oxazaphosphinan-2-amine 2-oxide	50-18-0	Hodgkins lymphoma
7	Cytarabine	4-amino-1-[(2R,3S,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidin-2-one	147-94-4	Acute myeloid leukaemia, acute lymphocytic leukaemia
8	Dacarbazine	5-(3,3-Dimethyl-1-triazenyl)imidazole-4-carboxamide	4342-03-4	MKalignant melanoma, Hodgkin lymphoma, sarcoma,
9	Erlotinib	N-(3-ethynylphenyl)-6,7-bis(2-methoxyethoxy)quinazolin-4-amine	183321-74-6	Pancreatic cancer
10	Gefitinib	N-(3-chloro-4-fluoro-phenyl)-7-methoxy-6-(3-morpholin-4-ylpropoxy)quinazolin-4-amine	184475-35-2	Breast and lung cancer
11	Gemcitabine	4-amino-1-(2-deoxy-2,2-difluoro-B-D-erythro-pentofuranosyl)pyrimidin-2(1H)-on	95058-81-4	Pancreatic cancer
12	Ifosfamide	N-3-bis(2-chloroethyl)-1,3,2-oxazaphosphinan-2-amide-2-oxide	3778-73-2	Testicular, breast, lung cancer, cervical cancer, ovarian cancer
13	Imatinib	4-[(4-methylpiperazin-1-yl)methyl]-N-(4-methyl-3-[[4-(pyridin-3-yl)pyrimidin-2-yl]amino]phenyl)benzamide	152459-95-5	lukemia
14	Lenalidomide	(RS)-3-(4-Amino-1-oxo 1,3-dihydro-2H-isoindol- 2-yl)piperidine-2,6-dione	191732-72-6	Multiple myeloma



15	Melphalan	4-[bis(chloroethyl)amino]phenyl lanine	148-82-3	Multiple myeloma, ovarian cancer, AL amyloidosis, and occasionally malignant melanoma
16	Mesna	Sodium 2-sulfanylethanesulfonate	19767-45-4	Haemorrhagic cystitis and haematuria
17	Nilutamide	5,5-dimethyl-3-[4-nitro-3- (trifluoromethyl)phenyl] imidazolidine-2,4-dione	63612-50-0	Prostate cancer
18	Oxaplatin	[(1 <i>R</i> ,2 <i>R</i>)-cyclohexane-1,2- diamine](ethanedioato <i>O,O'</i>)platinu m(II)	63121-00-6	Cancer chemotherapy
19	Temozolomide	4-methyl-5-oxo-2,3,4,6,8-pentazabi cyclo[4.3.0]nona-2,7,9-triene-9 - carboxamide	85622-93-1	Brain cancer
20	Tipiracil	5-Chloro-6-[(2-imino-1- pyrrolidinyl) methyl]-2,4(1 <i>H</i> ,3 <i>H</i>)- pyrimidinedione	183204-74-2	Recurrent colorectal cancer
21	Zoledronic Acid	[1-hydroxy-2-(1 <i>H</i> -imidazol-1-yl) ethane-1,1-diyl]bis(phosphonic acid)	118072-93-8	Multiple myeloma and prostate cancer

List of anticancer intermediates

S.No.	Name of the Product	IUPAC NAME	CAS no.	Remarks
1	Afinitinib Intermediates	N-(3-chloro-4-fluorophenyl)-7-fluoro-6-nitro quinazolin-4-amine	162012-67-1	Non-small cell lung cancer
		7-Fluoro-6-nitro-4-hydroxyquinazoline	162012-69-3	
		3-Chloro-4-fluoroaniline	367-21-5	
		(S)-N4-(3-chloro-4-fluorophenyl)-7-(tetrahydrofuran-3-yloxy)quinazoline-4,6-diamine	314771-76-1	
		4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-6-nitro-7-[[[(3 <i>S</i>)-tetrahydro-3-furanyl]oxy]	314771-88-5	
2	Axitinib side chain	2-Mercapto-N-methylbenzamide	20054-45-9	Pancreatic cancer
3	Capecitabine Intermediates	5-Deoxy-1,2,3-Tri-O-acetyl D-ribofuranoside	62211-93-2	Colorectal cancer, Breast cancer, Gastric cancer, Oesophageal cancer
		2,3-Di-O-Acetyl-5-Deoxy-5 Fluoro cytidine	161599-46-8	
		5'-deoxy-5-fluoro-N-(pentyloxy)carbonyl cytidine-2',3'-diacetate	162204-20-8	
4	Erlotinib	3-Ethynylbenzenamine hydrochloride	207226-02-6	Pancreatic cancer



	intermediates			
		Ethyl 3,4-bis(2-methoxyethoxy)benzoate	183322-16-9	
		2-Amino-4,5-bis(2-methoxyethoxy) benzoic acid ethyl ester hydrochloride	183322-17-0	
		6,7-bis-(2-Methoxyethoxy)-quinazolin-4(3h)-one	179688-29-0	
5	Gemcitabine Intermediates	2-Deoxy-2,2-difluoro-D-erythro-pentofuranous-1-ulose-3,5- dibenzoate	122111-01-7	Pancreatic cancer
		2-Dexoy-2,2-difluoro-D-riofuranse-3,5-dibenzonate	143157-22-6	
		2-Deoxy-2,2-difluoro-D-erythro-pentofuranose-3,5-dibenzoate-1-methane sulfonate	134877-42-2	
6	Imatinib Intermediates	N-(5-Amino-2-Methyl Phenyl)-4-(3-Pyridyl)-2-Pyrimidine Amine	152460-10-1	Pancreatic cancer
		4-(4-methyl piperizino methyl) benzoic acid dihydrochloride	106261-49-8	
7	Lenalidomide Intermediates	2-Bromomethyl-3-nitro-benzoic acid methyl ester	98475-07-1	Multiple myeloma
		3- Amino-piperidine-2,6-dione hydrochloride	24666-56-6	
		3-(4-Nitro-1-oxo-1, 3-dihydro-isoindol-2yl)-piperidine-2,6-dione	827026-45-9	
8	Nilotinib Intermediates	4-methyl-3-(4-(pyridin-3-yl)pyrimidin-2-yl amino) Benzoic acid	641571-11-1	Prostate cancer
9	Pemetrexed Intermediates	4-[2-(2-Amino-4,7-dihydro-4-Oxo-1H-pymol-[2,3-d]pyrimidin-5-yl) ethyl] benzoic acid	137281-39-1	Lung cancer
		L-Glutamic acid-1,5-diethyl ester hydrochloride	1118-89-4	
10	Sorafenib Intermediates	N-Methyl-4-chloropyridine-2-carboxamide	220000-87-3	Kidney, livercancer
11	Temozolamide Intermediates	5-(Amino-1-(N-methyl Carbamoyl) imidazole-4-Carboxamide	188612-53-5	Brain cancer
12	Tipiracil intermediates	5-Chloro-6-(chloromethyl) pyrimidin-2,4(1H,3H)-dione	73742-45-7- 1	Recurrent colorectal cancer
13	Zoledronic Acid intermediates	Imidazol-1-yl-acetic acid	22884-10-2	Multiple myeloma and prostate cancer

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