

Product Information

Raf inhibitor Belvarafenib, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ967

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD31731098

CAS Number: 1446113-23-0

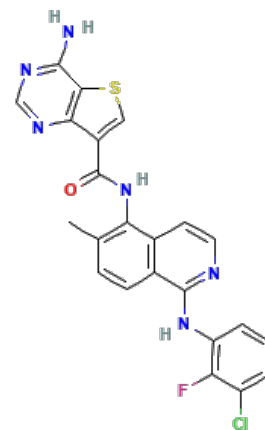
Compound CID: 89655386

Synonym: Belvarafenib; 1446113-23-0; 31M3WLJ3KG;

4-Amino-*N*

-(1-((3-chloro-2-fluorophenyl)amino)-6-methylisoquinolin-5-yl)thieno[3,2-*d*]pyrimidine-7

-carboxamide; Raf inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Belvarafenib, soluble in DMSO and insoluble in ethanol and water, blocks a MAPK/ERK signaling pathway. It targets B-Raf, B-Raf (V600E), and CRAF.
Molecular Weight	478.93
Molecular Formula	C ₂₃ H ₁₆ ClFN ₆ OS
Targets	B-Raf: 56 nM; B-Raf (V600E): 7 nM; CRAF: 5 nM
IUPAC Name	4-Amino- <i>N</i> -[1-(3-chloro-2-fluoroanilino)-6-methylisoquinolin-5-yl]thieno[3,2- <i>d</i>]pyrimidine-7-carboxamide
InChI	InChI=1S/C23H16ClFN6OS/c1-11-5-6-13-12(7-8-27-22(13)30-16-4-2-3-15(24)17(16)25)18(11)31-23(32)14-9-33-20-19(14)28-10-29-21(20)26/h2-10H,1H3,(H,27,30)(H,31,32)(H2,26,28,29)
InChI Key	KVCQTKNUUQOELD-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C2=C(C=C1)C(=NC=C2)NC3=C(C(=CC=C3)Cl)F)NC(=O)C4=CSC5=C4N=CN=C5N
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 84 mg/mL (175.39 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Belvarafenib can be utilized to study its role as a pan-RAF inhibitor in cancer research.



Storage

Store at -20°C.
