

Product Information

ERK inhibitor Ulixertinib, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ867

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

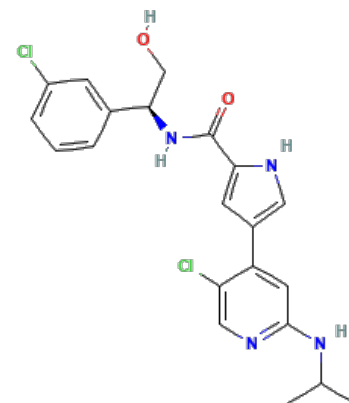
CAS Number: 869886-67-9

Compound CID: 11719003

Synonym: Ulixertinib; 869886-67-9; VRT752271; BVD-523; Ulixertinib [INN];

Ulixertinib (BVD-523); UNII-16ZDH50O1U; ERK inhibitor

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



Product Information

Description	Ulixertinib, soluble in DMSO and ethanol and insoluble in water, exhibits potent inhibition of ERK kinase. It targets ERK1 and ERK2.
Molecular Weight	433.3
Molecular Formula	C ₂₁ H ₂₂ Cl ₂ N ₄ O ₂
Targets	ERK1; ERK2: <0.3 nM
IUPAC Name	<i>N</i> -[[(1 <i>S</i>)-1-(3-chlorophenyl)-2-hydroxyethyl]-4-[5-chloro-2-(propan-2-ylamino)pyridin-4-yl]-1 <i>H</i> -pyrrole-2-carboxamide
InChI	InChI=1S/C21H22Cl2N4O2/c1-12(2)26-20-8-16(17(23)10-25-20)14-7-18(24-9-14)21(29)27-19(11-28)13-4-3-5-15(22)6-13/h3-10,12,19,24,28H,11H2,1-2H3,(H,25,26)(H,27,29)/t19-m/s1
InChI Key	KSERXGMCDHOLSS-LJQANCHMSA-N
Canonical SMILES	CC(C)NC1=NC=C(C(=C1)C2=CNC(=C2)C(=O)NC(CO)C3=CC(=CC=C3)Cl)Cl
Isomeric SMILES	CC(C)NC1=NC=C(C(=C1)C2=CNC(=C2)C(=O)N[C@H](CO)C3=CC(=CC=C3)Cl)Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 80 mg/mL (184.61 mM); Water: Insoluble; Ethanol: 14 mg/mL (32.3 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Ulixertinib can be used to study the impacts of selective ERK1/2 inhibition in cancer models.



Storage

Store at -20°C.
