

Product Information

ERK inhibitor TCS ERK 11e, Purity ≥98%

Cat. No.: X23-10-ZQ863

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

CAS Number: 896720-20-0

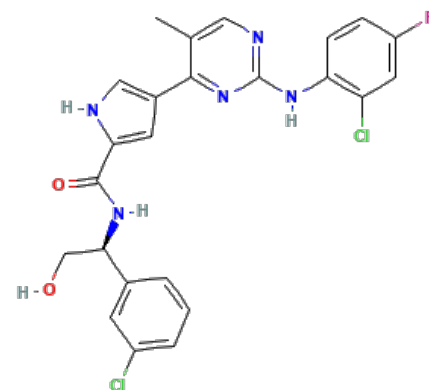
Compound CID: 11634725

Synonym: VX-11E; 896720-20-0; Vertex-11E; VTX-11E; TCS ERK 11E;

4-[2-(2-Chloro-4-fluoroanilino)-5-

-methylpyrimidin-4-yl]-N-[(1S

)-1-(3-chlorophenyl)-2-hydroxyethyl]-1H-pyrrole-2-carboxamide; ERK inhibitor



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

Product Information

Description	TCS ERK 11e, soluble in DMSO and ethanol and insoluble in water, exhibits potent inhibition of ERK kinase. It targets ERK2, GSK3, AURA, and CDK2.
Molecular Weight	500.35
Molecular Formula	C ₂₄ H ₂₀ Cl ₂ FN ₅ O ₂
Targets	ERK2: <2 nM (Ki); GSK3: 400 nM (Ki); AURA: 540 nM (Ki); CDK2: 850 nM (Ki)
IUPAC Name	4-[2-(2-Chloro-4-fluoroanilino)-5-methylpyrimidin-4-yl]-N-[(1S)-1-(3-chlorophenyl)-2-hydroxyethyl]-1H-pyrrole-2-carboxamide
InChI	InChI=1S/C24H20Cl2FN5O2/c1-13-10-29-24(31-19-6-5-17(27)9-18(19)26)32-22(13)15-8-20(28-11-15)23(34)30-21(12-33)14-3-2-4-16(25)7-14/h2-11,21,28,33H,12H2,1H3,(H,30,34)(H,29,31,32)/t21-/m1/s1
InChI Key	WUTVMXLIGHTZJC-OAQYLSRUSA-N
Canonical SMILES	CC1=CN=C(N=C1C2=CNC(=C2)C(=O)NC(CO)C3=CC(=CC=C3)Cl)NC4=C(C=C(C=C4)F)Cl
Isomeric SMILES	CC1=CN=C(N=C1C2=CNC(=C2)C(=O)N[C@H](CO)C3=CC(=CC=C3)Cl)NC4=C(C=C(C=C4)F)Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 94 mg/mL (187.87 mM); Water: Insoluble; Ethanol: 15 mg/mL (29.97 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

TCS ERK 11e can be used to study the selective inhibition of ERK1/2 in signal transduction pathways.

Storage

Store at -20°C.
