



Product Information

PDGFR inhibitor CP-868596, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ120

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

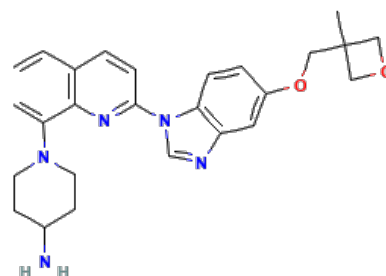
MDL: MFCD21609260

CAS Number: 670220-88-9

Compound CID: 10366136

Synonym: 670220-88-9; PDGFR inhibitor; CP868596; CP 868596

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



Product Information

Description	CP-868596, soluble in warmed DMSO and ethanol and insoluble in water, blocks the activity of platelet-derived growth factor receptors (PDGFR), which play a crucial role in cell growth, angiogenesis, and tissue. It targets FLT3, PDGFR α (CHO cells), and PDGFR β (CHO cells).
Molecular Weight	443.5
Molecular Formula	C ₂₆ H ₂₉ N ₅ O ₂
Targets	FLT3: 0.74 nM (Kd); PDGFR α (CHO cells): 2.1 nM (Kd); PDGFR β (CHO cells): 3.2 nM (Kd)
IUPAC Name	1-[2-[5-[(3-Methyloxetan-3-yl)methoxy]benzimidazol-1-yl]quinolin-8-yl]piperidin-4-amine
InChI	InChI=1S/C26H29N5O2/c1-26(14-32-15-26)16-33-20-6-7-22-21(13-20)28-17-31(22)24-8-5-18-3-2-4-23(25(18)29-24)30-11-9-19(27)10-12-30/h2-8,13,17,19H,9-12,14-16,27H2,1H3
InChI Key	DYNHJHQFHTFTP-UHFFFAOYSA-N
Canonical SMILES	CC1(COC1)COC2=CC3=C(C=C2)N(C=N3)C4=NC5=C(C=CC=C5N6CCC(CC6)N)C=C4
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 84 mg/mL (189.38 mM); Water: Insoluble; Ethanol: 7 mg/mL (15.78 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	CP-868596 targets PDGFR, enabling investigations into its potential in disrupting cancer growth pathways.



Storage

Store at -20°C, and keep desiccated.
