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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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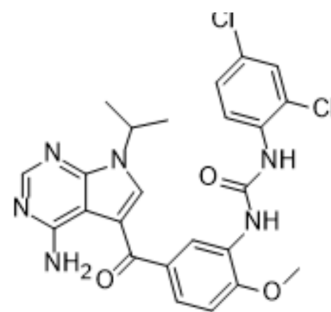
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CE-245677

Cat. No.:	HY-112423
CAS No.:	717899-97-3
Molecular Formula:	C ₂₄ H ₂₂ Cl ₂ N ₆ O ₃
Molecular Weight:	513.38
Target:	Trk Receptor; Tie
Pathway:	Neuronal Signaling; Protein Tyrosine Kinase/RTK
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (243.48 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.9479 mL	9.7394 mL	19.4787 mL
		5 mM		0.3896 mL	1.9479 mL	3.8957 mL
		10 mM		0.1948 mL	0.9739 mL	1.9479 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.05 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.05 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	CE-245677 is a potent reversible inhibitor of Tie2 and TrkA/B kinases with a cellular IC ₅₀ s of 4.7 and 1 nM.	
IC ₅₀ & Target	TrkA	Tie2 4.7 nM (IC ₅₀)
In Vitro	CE-245677 is a potent reversible inhibitor of Tie2 and TrkA/B kinases with a cellular IC ₅₀ of 4.7 and 1 nM, and displays >100x selectivity against a number of other angiogenic receptor tyrosine kinases, such as KDR, PDGFR, FGFR ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	CE-245677 shows good oral absorption in in vivo rat PK studies (F=80%) ^[1] .	

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Susan LaGreca, et al. Identification of selective, orally active Tie2 kinase inhibitors and discovery of CE-245,677 and PF-371,989. Cancer Research. AACR Annual Meeting-Apr 14-18, 2007.

Caution: Product has not been fully validated for medical applications. For research use only.

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