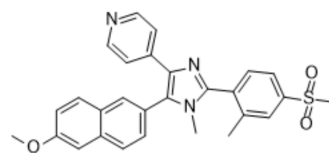


SB-633825

Cat. No.:	HY-108333		
CAS No.:	956613-01-7		
Molecular Formula:	C ₂₈ H ₂₅ N ₃ O ₃ S		
Molecular Weight:	483.58		
Target:	Tie; BRK		
Pathway:	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 : 9.62 mg/mL (19.89 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0679 mL	10.3396 mL	20.6791 mL
	5 mM	0.4136 mL	2.0679 mL	4.1358 mL
	10 mM	0.2068 mL	1.0340 mL	2.0679 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

SB-633825 is a potent and ATP-competitive inhibitor of TIE2, LOK (STK10) and BRK with IC₅₀s of 3.5 nM, 66 nM, 150 nM, respectively. SB-633825 can inhibit cancer cell growth and angiogenesis^[1].

IC₅₀ & Target

Tie2
3.5 nM (IC₅₀)

In Vitro

SB-633825 inhibits TIE2 Tyrosine-protein kinase (TIE2), lymphocyte-oriented kinase (LOK; STK10) and breast tumor kinase (Brk; PTK6)^[1].
 ?SB-633825 inhibits LOK to 44% maximal activity and TIE2 to 75% maximal activity at 0.1 μM^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Patent. US20240024368A1.
- Patent. US20170349880A1.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Elkins JM, et al. Comprehensive characterization of the Published Kinase Inhibitor Set. Nat Biotechnol. 2016 Jan;34(1):95-103.

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

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