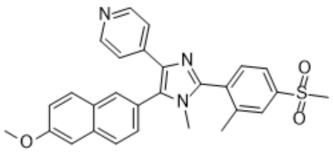
SB-633825

Cat. No.:	HY-108333
CAS No.:	956613-01-7
Molecular Formula:	$C_{28}H_{25}N_3O_3S$
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)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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 IC_{50}s of 3.5 nM, 66 nM, 150 nM, respectively. SB-633825 can inhibit cancer cell growth and angiogenesis[1].

IC_{50} & Target

Tie2
3.5 nM (IC_{50})

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. US20170349880A1.

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REFERENCES

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

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