

Product Data Sheet

Product Name: SB-633825

Cat. No.: GC60335

Chemical Properties

Cas. No. 956613-01-7

SMILES O=S(C1=CC=C(C2=NC(C3=CC=NC=C3)=C(C4=CC=C5C=C(OC)C=CC5=C4)N2C)C(C)=C1)(C)=O

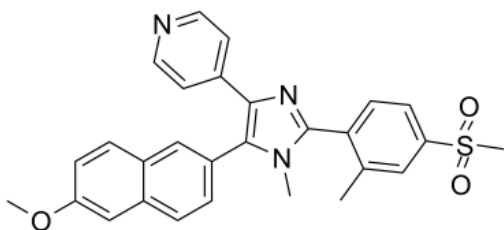
Formula C28H25N3O3S M.Wt 483.58

Solubility Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

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].

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].

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

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[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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