

## KB SRC 4

## Chemical Properties

CAS No. : 1380088-03-8

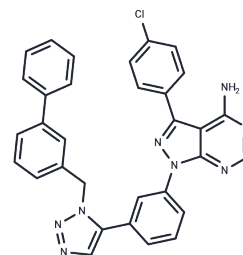
Formula: C<sub>32</sub>H<sub>23</sub>ClN<sub>8</sub>

Molecular Weight: 555.03

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	KB SRC 4 is a selective and potent c-Src inhibitor with antitumour activity that inhibits the growth of cancer cells.
Targets(IC50)	Src
In vitro	KB SRC 4 is a highly selective c-Src inhibitor. The K <sub>d</sub> for c-Src (86 nM) is consistent with the K <sub>i</sub> obtained in our biochemical activity assay. Compound 4(KB SRC 4) exhibits selectivity among Src family members, with >2-fold selectivity over both Lck and Fgr, 8-fold selectivity over c-Yes, and >40-fold selectivity over Lyn, Hck, and Fyn.[1].

## Solubility Information

Solubility	DMSO: 80 mg/mL (144.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8017 mL	9.0085 mL	18.017 mL
5 mM	0.3603 mL	1.8017 mL	3.6034 mL
10 mM	0.1802 mL	0.9009 mL	1.8017 mL
50 mM	0.036 mL	0.1802 mL	0.3603 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Brandvold KR, et al. Development of a highly selective c-Src kinase inhibitor. ACS Chem Biol. 2012 Aug 17;7(8): 1393-8.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481