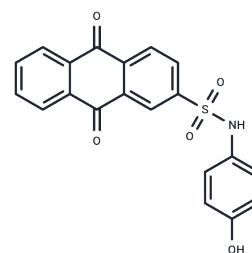


## STAT3-IN-B9

### Chemical Properties

CAS No. : 825611-06-1  
 Formula: C<sub>20</sub>H<sub>13</sub>NO<sub>5</sub>  
 Molecular Weight: 379.39  
 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	STAT3-IN-B9 (B9) is an inhibitor of abnormal STAT3 activation and inhibits the proliferation of tumor cells including MDA-MB-468, MDA-MB-231, and DU145.
Targets(IC50)	STAT

### Solubility Information

Solubility	DMSO: 4.8 mg/mL (12.65 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	2.6358 mL	13.1791 mL	26.3581 mL
5 mM	0.5272 mL	2.6358 mL	5.2716 mL
10 mM	0.2636 mL	1.3179 mL	2.6358 mL
50 mM	0.0527 mL	0.2636 mL	0.5272 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

Huang M, et al. Screening and biological evaluation of a novel STAT3 signaling pathway inhibitor against cancer. *Bioorg Med Chem Lett.* 2016 Nov 1;26(21):5172-5176.

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