

## KIT/PDGFR-IN-1

### Chemical Properties

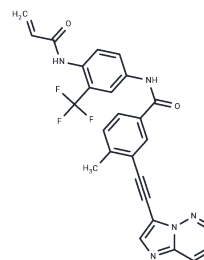
CAS No. :

Formula: C<sub>26</sub>H<sub>18</sub>F<sub>3</sub>N<sub>5</sub>O<sub>2</sub>

Molecular Weight: 489.449

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	KIT/PDGFR-IN-1 (compound 19) is an inhibitor targeting the stem cell growth factor receptor (KIT) and platelet-derived growth factor receptor alpha (PDGFRA). Its IC <sub>50</sub> values are 2.3 μM for KIT-wt, 12 μM for KIT-D816H, 492 μM for KIT-T670I, 0.8 μM for PDGFRA-wt, 99.9 μM for PDGFRA-D842V, 42.3 μM for PDGFRA-T674I, and 4.3 μM for PDGFRA-G680R. The GR <sub>50</sub> values for GIST-T1, T1-a-D842V, and GIST-48B cell lines (gastrointestinal stromal tumor cell lines with PDGFR and KIT mutations) are 12 nM, 8900 nM, and ≥10,000 nM, respectively.
Targets(IC <sub>50</sub> )	PDGFR

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0431 mL	10.2155 mL	20.4311 mL
5 mM	0.4086 mL	2.0431 mL	4.0862 mL
10 mM	0.2043 mL	1.0216 mL	2.0431 mL
50 mM	0.0409 mL	0.2043 mL	0.4086 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.

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

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