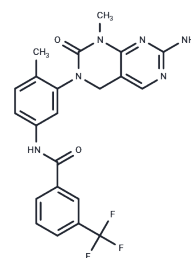


## GNF-6

## Chemical Properties

CAS No. :	839708-29-1
Formula:	C <sub>22</sub> H <sub>19</sub> F <sub>3</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	456.42
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	GNF-6 (Compound 14), an ATP competitive inhibitor, inhibits the gatekeeper threonine residue mutation of BCR-ABL-T315I with IC <sub>50</sub> values of 0.25 μM for c-ABL-T334I, 0.09 μM for BCR-ABL, and 0.590 μM for BCR-ABL-T315I variants. It disrupts the assembly of the hydrophobic spine (a network of hydrophobic interactions), locking the kinase in an inactive 'DFG-out' conformation [1].
Targets(IC <sub>50</sub> )	Bcr-Abl

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.191 mL	10.9548 mL	21.9096 mL
5 mM	0.4382 mL	2.191 mL	4.3819 mL
10 mM	0.2191 mL	1.0955 mL	2.191 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 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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