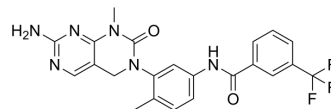


## GNF-6

Cat. No.:	HY-160478
CAS No.:	839708-29-1
Molecular 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
Target:	Bcr-Abl
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

GNF-6 (Compound 14) inhibits the gatekeeper threonine residue mutation of BCR-ABL-T315I with IC<sub>50</sub>s of 0.25 μM, 0.09 μM and 0.590 μM for c-ABL-T334I, BCR-ABL and BCR-ABL-T315I variants, respectively. GNF-6, an ATP competitive inhibitor, disrupts the assembly of the hydrophobic spine (a network of hydrophobic interactions), thereby locking the kinase in an inactive 'DFG-out' conformation<sup>[1]</sup>.

## REFERENCES

[1]. David F. Woodward, et al. Non-acidic cyclopentane heptanoic acid, 2-cycloalkyl or arylalkyl derivatives as therapeutic agents. WO1994006433A1.

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

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