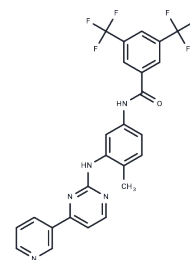


AN-019

Chemical Properties

CAS No. : 879507-25-2
 Formula: C₂₅H₁₇F₆N₅O
 Molecular Weight: 517.43
 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	AN-019 (NRC-019) is a Bcr-Abl kinase inhibitor with antitumor activity for the study of chronic myelogenous leukemia (CML) and breast cancer.
Targets(IC50)	Bcr-Abl

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9326 mL	9.6631 mL	19.3263 mL
5 mM	0.3865 mL	1.9326 mL	3.8653 mL
10 mM	0.1933 mL	0.9663 mL	1.9326 mL
50 mM	0.0387 mL	0.1933 mL	0.3865 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

Rahim A, Syed R, Poornachandra Y, et al. Synthesis and biological evaluation of phenyl-amino-pyrimidine and indole/oxindole conjugates as potential BCR-ABL inhibitors[J]. Medicinal Chemistry Research, 2019, 28: 633-645.
 Amala K, Bhujanga Rao AK, Gorantla B, Gondi CS, Rao JS. Design, synthesis and preclinical evaluation of NRC-AN-019. Int J Oncol. 2013 Jan;42(1):168-78. doi: 10.3892/ijo.2012.1697. PubMed PMID: 23151973.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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