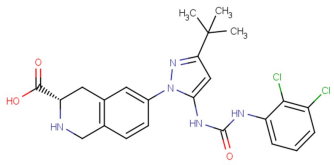
Data Sheet (Cat.No.T10489)

TargetMol
A DRUG SCREENING EXPERT

BCR-ABL-IN-2

Chemical Properties



CAS No.:	897369-18-5
Formula:	C24H25Cl2N5O3
Molecular Weight:	502.39
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	BCR-ABL-IN-2 is a BCR-ABL1 tyrosine kinase inhibitor (IC50s: 57 nM, 773 nM for ABL1 native and ABL1 T315I).
Targets(IC_{50})	ABL1native: 57 nM ABL1T315I: 773 nM
In vitro	BCR-ABL-IN-2 exhibits an IC50 of 57 nM for ABL1native and an IC50 of 773 nM for ABL1T315I [1]. Despite ABL, BCR-ABL-IN-2 can also inhibit KDR, BRaf, p38 kinase with IC50s of 1.8 μM, 0.23 μM, 6.3 nM, 43 nM, respectively [2].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.99 mL	9.952 mL	19.905 mL
5 mM	0.398 mL	1.99 mL	3.981 mL
10 mM	0.199 mL	0.995 mL	1.99 mL
50 mM	0.04 mL	0.199 mL	0.398 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Chan WW, et al. Conformational control inhibition of the BCR-ABL1 tyrosine kinase, including the gatekeeper T315I mutant, by the switch-control inhibitor DCC-2036. Cancer Cell. 2011 Apr 12;19(4):556-68.
2. ARYL SULFONOHYDRAZIDES. US 2008/0113967 A1.

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