

BCR-ABL-IN-10

Chemical Properties

CAS No. :

Formula: C₂₄H₂₂N₄O₅S

Molecular Weight: 478.52

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	BCR-ABL-IN-10 (compound B4) is a covalent BCR-ABL inhibitor featuring an arylvinylsulfonate (AVS) moiety, demonstrating an IC ₅₀ of 43.1 nM against ABL kinase. It forms a covalent and stable adduct with ABL kinase, enabling the sustained inhibition of intrinsic BCR-ABL activity. This compound is utilized in the study of chronic myeloid leukemia (CML).
Targets(IC ₅₀)	Bcr-Abl

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0898 mL	10.4489 mL	20.8978 mL
5 mM	0.418 mL	2.0898 mL	4.1796 mL
10 mM	0.209 mL	1.0449 mL	2.0898 mL
50 mM	0.0418 mL	0.209 mL	0.418 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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