

BRD-4592

Chemical Properties

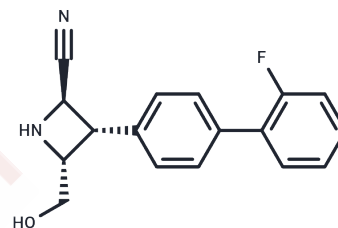
CAS No. : 2119598-24-0

Formula: C₁₇H₁₅FN₂O

Molecular Weight: 282.312

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	BRD-4592 is an allosteric inhibitor targeting tryptophan synthase (TrpAB) of Mycobacterium tuberculosis. It binds at the α - β subunit interface of TrpAB, with an IC ₅₀ of 70.9 nM for the α subunit and 22.6 nM for the β subunit.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5422 mL	17.711 mL	35.4221 mL
5 mM	0.7084 mL	3.5422 mL	7.0844 mL
10 mM	0.3542 mL	1.7711 mL	3.5422 mL
50 mM	0.0708 mL	0.3542 mL	0.7084 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481