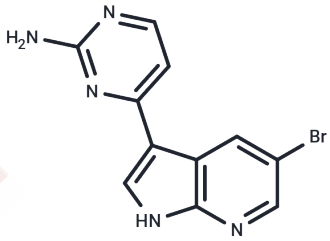
Data Sheet (Cat.No.T210517)

TargetMol

4-(5-Bromo-1H-pyrrolo[2,3-b]pyridin-3-yl)pyrimidin-2-amine

Chemical Properties



CAS No. : 1203565-13-2

Formula: C11H8BrN5

Molecular Weight: 290.12

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	4-(5-Bromo-1H-pyrrolo[2,3-b]pyridin-3-yl)pyrimidin-2-amine is a brominated pyrrolopyridine-based scaffold designed for advanced medicinal chemistry and kinase inhibitor development. Its 7-azaindole (pyrrolopyridine) core serves as a purine bioisostere capable of occupying ATP-binding pockets across diverse kinases. The bromine substituent at the 5-position offers both electronic tuning and a versatile handle for cross-coupling reactions, enabling rapid SAR exploration. The 2-aminopyrimidine moiety further supports hinge-binding interactions, collectively making 4-(5-Bromo-1H-pyrrolo[2,3-b]pyridin-3-yl)pyrimidin-2-amine a valuable starting point for generating FGFR-targeted inhibitors and other kinase-directed therapeutics.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4468 mL	17.2342 mL	34.4685 mL
5 mM	0.6894 mL	3.4468 mL	6.8937 mL
10 mM	0.3447 mL	1.7234 mL	3.4468 mL
50 mM	0.0689 mL	0.3447 mL	0.6894 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.

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