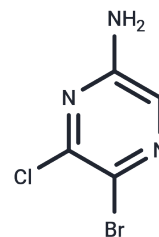


2-Amino-5-bromo-6-chloropyrazine

Chemical Properties

CAS No. :	173253-42-4
Formula:	C ₄ H ₃ BrClN ₃
Molecular Weight:	208.44
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	2-Amino-5-bromo-6-chloropyrazine is a heterocyclic building block. It has been used in the synthesis of Akt inhibitors.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 20 mg/mL (95.95 mM), Sonication is recommended. DMF: 25 mg/mL (119.94 mM), Sonication is recommended. DMF:PBS (pH 7.2) (1:5): 0.16 mg/mL (0.77 mM), Sonication is recommended. DMSO: 15 mg/mL (71.96 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7975 mL	23.9877 mL	47.9754 mL
5 mM	0.9595 mL	4.7975 mL	9.5951 mL
10 mM	0.4798 mL	2.3988 mL	4.7975 mL
50 mM	0.096 mL	0.4798 mL	0.9595 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

Kettle, J.G., Brown, S., Crafter, C., et al. Diverse heterocyclic scaffolds as allosteric inhibitors of AKT. *Med. Chem.* 55 (3)1261-1273(2012)

Goel, R., Luxami, V., and Paul, K. Recent advances in development of imidazo[1,2-a]pyrazines: Synthesis, reactivity and their biological applications *Org. Biomol. Chem.* 13(12)3525-3555(2015)

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