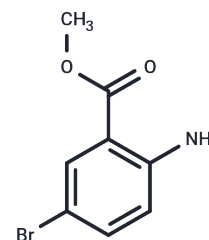


## Methyl 2-amino-5-bromobenzoate

## Chemical Properties

CAS No. :	52727-57-8
Formula:	C <sub>8</sub> H <sub>8</sub> BrNO <sub>2</sub>
Molecular Weight:	230.06
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	Methyl 2-amino-5-bromobenzoate (Methyl 5-Bromoanthranilate) is a hepatitis C virus NS5b RNA polymerase inhibitor with antimicrobial activity that inhibits Pseudomonas aeruginosa infections and is involved in the production of many virulence factors and biofilm formation.
Targets(IC50)	HCV Protease, Antibacterial, Antifungal

## Solubility Information

Solubility	DMSO: 55 mg/mL (239.07 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	4.3467 mL	21.7335 mL	43.4669 mL
5 mM	0.8693 mL	4.3467 mL	8.6934 mL
10 mM	0.4347 mL	2.1733 mL	4.3467 mL
50 mM	0.0869 mL	0.4347 mL	0.8693 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

Weidel E, et al. Structure optimization of 2-benzamidobenzoic acids as PqsD inhibitors for Pseudomonas aeruginosa infections and elucidation of binding mode by SPR, STD NMR, and molecular docking. J Med Chem. 2013 Aug 8;56(15):6146-55.

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