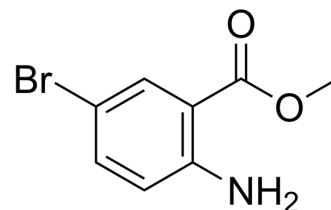


Methyl 2-amino-5-bromobenzoate

Cat. No.: HY-W007390
CAS No.: 52727-57-8
Molecular Formula: C₈H₆BrNO₂
Molecular Weight: 230.06
Target: Bacterial
Pathway: Anti-infection
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 300 mg/mL (1304.01 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Methyl 2-amino-5-bromobenzoate (compound 8/12) can be used for synthesis of 2-benzamidobenzoic acids, which are known FabH inhibitors. The derivatives also inhibit PqsD, the pqs quorum sensing (QS) system of *Pseudomonas aeruginosa*, involving the production of a number of virulence factors and biofilm formation^[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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