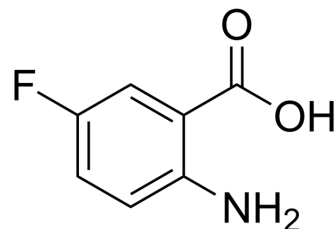


2-Amino-5-fluorobenzoic acid

Cat. No.:	HY-34053		
CAS No.:	446-08-2		
Molecular Formula:	C ₇ H ₆ FNO ₂		
Molecular Weight:	155.13		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (644.62 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.4462 mL	32.2310 mL	64.4621 mL
	5 mM	1.2892 mL	6.4462 mL	12.8924 mL
	10 mM	0.6446 mL	3.2231 mL	6.4462 mL

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

BIOLOGICAL ACTIVITY

Description

2-Amino-5-fluorobenzoic acid is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In Vitro

2-Amino-5-fluorobenzoic acid is a toxic antimitabolite for the tryptophan pathway in yeast that can be used to counterselect for TRP1, a commonly used genetic marker in *S. cerevisiae*. Because this trp1 strain lacks the enzymes required for the conversion of anthranilic acid to tryptophan, it is resistant to 2-amino-5-fluorobenzoic acid feedback inhibition, enabling a growth-based, positive selection of the TRP1 marker. 2-Amino-5-fluorobenzoic acid is frequently used in genetic procedures that involve plasma manipulation calculations.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA