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**Product Data Sheet**

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Product Name: 2-Amino-5-fluorobenzoic Acid

Cat. No.: GC42120

**Chemical Properties**

Cas. No. 446-08-2

SMILES NC1=C(C(O)=O)C=C(F)C=C1Formula C<sub>7</sub>H<sub>6</sub>FNO<sub>2</sub>

M.Wt 155.1

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 20 mg/ml, PBS  
(pH 7.2): 0.25 mg/mlStorage Store at  
-20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure 2-Amino-5-fluorobenzoic Acid**Background**

2-Amino-5-fluorobenzoic acid is a toxic antimetabolite 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 plasmid manipulations.

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

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