Data Sheet (Cat.No.T38372)

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2-Fluoro-4-iodo benzonitrile

Chemical Properties

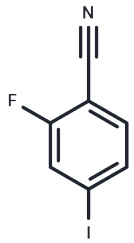
CAS No. : 137553-42-5

Formula: C7H3FIN

Molecular Weight: 247.01

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	2-Fluoro-4-iodo benzonitrile is a building block.1,2It has been used in the synthesis ofL. infantumtrypanothione reductase (Li-TryR) dimerization and oxidoreductase activity inhibitors.12-Fluoro-4-iodo benzonitrile has also been used in the synthesis of transient receptor potential ankyrin 1 (TRPA1) antagonists.2

Solubility Information

Solubility	Ethanol: 30 mg/mL DMF: 30 mg/mL Ethanol:PBS (pH 7.2) (1:5): 0.16 mg/mL DMSO: 30 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0484 mL	20.2421 mL	40.4842 mL
5 mM	0.8097 mL	4.0484 mL	8.0968 mL
10 mM	0.4048 mL	2.0242 mL	4.0484 mL
50 mM	0.081 mL	0.4048 mL	0.8097 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.

Reference

Revuelto, A., Ruiz-Santaquiteria, M., de Lucio, H., et al.Pyrrolopyrimidine vs imidazole-phenyl-thiazole scaffolds in nonpeptidic dimerization inhibitors of Leishmania infantum trypanothione reductaseACS Infect. Dis.5(6)873-891

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