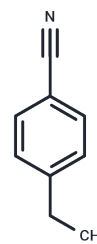


4-Ethylbenzonitrile

Chemical Properties

CAS No. :	25309-65-3
Formula:	C ₉ H ₉ N
Molecular Weight:	131.17
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	4-Ethylbenzonitrile is a micromolar level inhibitor of Cytochrome P450 2A6 with an IC ₅₀ value of 7.4 μM.
Targets(IC ₅₀)	Cytochromes P450

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.6237 mL	38.1185 mL	76.2369 mL
5 mM	1.5247 mL	7.6237 mL	15.2474 mL
10 mM	0.7624 mL	3.8118 mL	7.6237 mL
50 mM	0.1525 mL	0.7624 mL	1.5247 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

Herrera, A., Riaño, A., Moreno, R., Caso, B., Pardo, Z. D., Fernández, I., Estéban Sáez, Molero, D., Ángel Sánchez-Vázquez, & Martínez-ÁlvarezR. (2014). One-Pot Synthesis of 1,3,5-Triazine Derivatives via Controlled Cross-Cyclotrimerization of Nitriles: A Mechanism Approach. *The Journal of Organic Chemistry*, 79(15), 7012–7024.

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