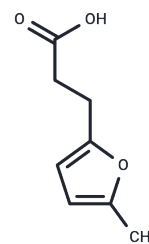


3-(5-Methylfuran-2-yl)propanoic acid

Chemical Properties

CAS No. :	1456-08-2
Formula:	C ₈ H ₁₀ O ₃
Molecular Weight:	154.16
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	3-(5-Methylfuran-2-yl)propanoic acid is a synthetic, non-proteinogenic amino acid characterized by a standard three-carbon propanoic acid backbone with an amino functional group (-NH ₂) located at the alpha-carbon (C2) and a distinctive 5-methylfuran-2-yl substituent at the beta-carbon (C3), where the furan ring—a five-membered aromatic heterocycle containing an oxygen atom—provides its unique structural and electronic properties, distinguishing it from canonical amino acids.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.4868 mL	32.4338 mL	64.8677 mL
5 mM	1.2974 mL	6.4868 mL	12.9735 mL
10 mM	0.6487 mL	3.2434 mL	6.4868 mL
50 mM	0.1297 mL	0.6487 mL	1.2974 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

Shafizadeh E, et al. Induction of reversible hemolytic anemia in living zebrafish using a novel small molecule. *Comp Biochem Physiol C Toxicol Pharmacol.* 2004 Jul;138(3):245-9.

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