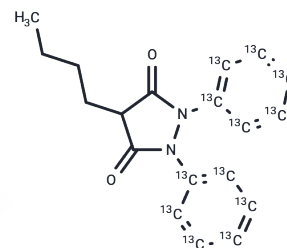


Phenylbutazone-13C12

Chemical Properties

CAS No. :	1325559-13-4
Formula:	C ₁₉ H ₂₀ N ₂ O ₂
Molecular Weight:	320.29
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Phenylbutazone-13C12 is the 13C12-labeled version of Phenylbutazone. Phenylbutazone (T1432) serves as an effective reducing cofactor for prostaglandin H synthase (PHS) peroxidase. It is recognized as a hepatotoxin and classified as a non-steroidal anti-inflammatory drug (NSAID). Additionally, Phenylbutazone (T1432) induces the expression of muscleblind-like protein 1 (MBNL1) and holds potential for research in ankylosing spondylitis.
Targets(IC50)	COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1222 mL	15.6109 mL	31.2217 mL
5 mM	0.6244 mL	3.1222 mL	6.2443 mL
10 mM	0.3122 mL	1.5611 mL	3.1222 mL
50 mM	0.0624 mL	0.3122 mL	0.6244 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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