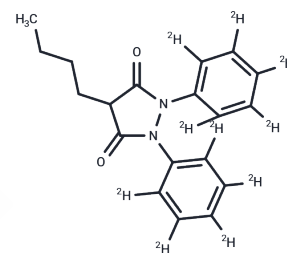


Phenylbutazone (diphenyl-D10)

Chemical Properties

CAS No. :	1219794-69-0
Formula:	C ₁₉ H ₂₀ N ₂ O ₂
Molecular Weight:	318.44
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 (diphenyl-D10) is a deuterated form of Phenylbutazone. It serves as a reductive cofactor for prostaglandin H synthase (PHS) peroxidase and is classified as a hepatotoxin and a nonsteroidal anti-inflammatory drug (NSAID). Phenylbutazone (T1432) also induces the expression of muscleblind-like protein 1 (MBNL1) and shows potential for research in ankylosing spondylitis.
Targets(IC50)	COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1403 mL	15.7015 mL	31.4031 mL
5 mM	0.6281 mL	3.1403 mL	6.2806 mL
10 mM	0.314 mL	1.5702 mL	3.1403 mL
50 mM	0.0628 mL	0.314 mL	0.6281 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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