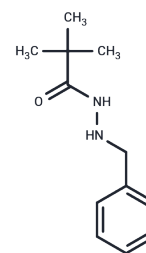


Pivalylbenzhydrazine

Chemical Properties

CAS No. :	306-19-4
Formula:	C ₁₂ H ₁₈ N ₂ O
Molecular Weight:	206.28
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	Pivalylbenzhydrazine (Pivhydrazine) is a potent monoamine oxidase (MAO) inhibitor that decreases cartilage growth in normal rats and can be used in depression research [1].
Targets(IC50)	Others, Monoamine Oxidase
In vivo	Pivalylbenzhydrazine (Pivhydrazine; 5 mg/kg; intraperitoneal injection; daily for 5 days) was administered to immature female rats (40 g, 3-4 weeks of age) and inhibited epiphyseal cartilage growth[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8478 mL	24.2389 mL	48.4778 mL
5 mM	0.9696 mL	4.8478 mL	9.6956 mL
10 mM	0.4848 mL	2.4239 mL	4.8478 mL
50 mM	0.097 mL	0.4848 mL	0.9696 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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