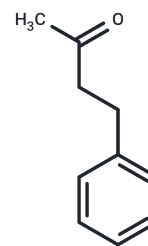


BENZYLACETONE

Chemical Properties

CAS No. :	2550-26-7
Formula:	C ₁₀ H ₁₂ O
Molecular Weight:	148.2
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Benzylacetone (4-Phenyl-2-butanone) is an aromatic compound extracted from incense wood. Benzylacetone has appetite-enhancing and exercise-reducing properties. Benzylacetone has a strong and reversible anti-mushroom tyrosinase effect, with IC ₅₀ values of 2.8 mM and 0.6 mM for monophenolase and biphenolase effects, respectively.
Targets(IC ₅₀)	Tyrosinase

Solubility Information

Solubility	DMSO: 60 mg/mL (404.84 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7476 mL	33.7382 mL	67.4764 mL
5 mM	1.3495 mL	6.7476 mL	13.4953 mL
10 mM	0.6748 mL	3.3738 mL	6.7476 mL
50 mM	0.135 mL	0.6748 mL	1.3495 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.

Reference

Raluy E , Favier I , Lopezvinasco A M , et al. A smart palladium catalyst in ionic liquid for tandem processes.[J]. Physical Chemistry Chemical Physics Pccp, 2011, 13(30):13579-13584.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481