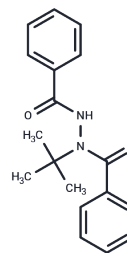


RH-5849

Chemical Properties

CAS No. : 112225-87-3
 Formula: C₁₈H₂₀N₂O₂
 Molecular Weight: 296.36
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	RH-5849 (1,2-Dibenzoyl-1-Tert-Butylhydrazine) is a novel Insect growth regulator that can be used as a potential insecticide to control olive fruit fly.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/ml (185.59 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3743 mL	16.8714 mL	33.7427 mL
5 mM	0.6749 mL	3.3743 mL	6.7485 mL
10 mM	0.3374 mL	1.6871 mL	3.3743 mL
50 mM	0.0675 mL	0.3374 mL	0.6749 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

Clements JS 2nd, Islam R, Sun B, Tong F, Gross AD, Bloomquist JR, Carlier PR. N'-mono- and N, N'-diacyl derivatives of benzyl and arylhydrazines as contact insecticides against adult *Anopheles gambiae*. Pestic Biochem Physiol.

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