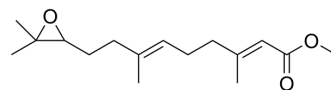


(Rac)-Juvenile hormone III

Cat. No.:	HY-N7240
CAS No.:	24198-95-6
Molecular Formula:	C ₁₆ H ₂₆ O ₃
Molecular Weight:	266.38
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (375.40 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.7540 mL	18.7702 mL	37.5404 mL
	5 mM	0.7508 mL	3.7540 mL	7.5081 mL
	10 mM	0.3754 mL	1.8770 mL	3.7540 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (9.39 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.39 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.39 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(Rac)-Juvenile hormone III, a natural compound that can be isolated from farnesoic acid, is the most widely distributed Juvenile hormone homologue^[1].

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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