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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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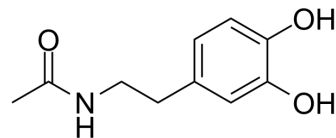
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N-acetyldopamine

Cat. No.:	HY-N7493
CAS No.:	2494-12-4
Molecular Formula:	C ₁₀ H ₁₃ NO ₃
Molecular Weight:	195.22
Target:	Others
Pathway:	Others
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (512.24 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	5.1224 mL	25.6121 mL	51.2243 mL
				5 mM	1.0245 mL	5.1224 mL	10.2449 mL
				10 mM	0.5122 mL	2.5612 mL	5.1224 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 3.75 mg/mL (19.21 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.81 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	N-acetyldopamine (NADA) is a catecholamine that is used by insects as sclerotizing precursors to harden their cuticle ^[1] .
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REFERENCES

[1]. Hanine Barek, et al. Unraveling Complex Molecular Transformations of N-β-alanyldopamine That Account for Brown Coloration of Insect Cuticle. Rapid Commun Mass Spectrom. 2017 Aug 30;31(16):1363-1373.

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

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