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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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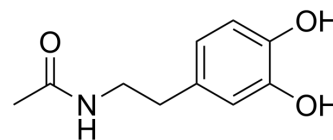
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N-acetyldopamine

Cat. No.:	HY-N7493
CAS No.:	2494-12-4
Molecular Formula:	C ₁₀ H ₁₃ NO ₃
Molecular Weight:	195.22
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
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] .
IC ₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Mol Plant. 2024 Jun 3:S1674-2052(24)00179-5.

See more customer validations on www.MedChemExpress.com

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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