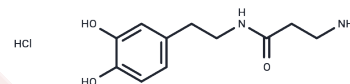


N- $\beta$ -alanyldopamine hydrochloride

## Chemical Properties

CAS No. :	58077-93-3
Formula:	C <sub>11</sub> H <sub>17</sub> ClN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	260.72
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	N- $\beta$ -alanyldopamine hydrochloride (NBAD hydrochloride) is an endogenous dopamine derivative in insects that plays a key role in cuticle hardening and pigment synthesis. N- $\beta$ -alanyldopamine hydrochloride (NBAD hydrochloride) is the primary dopamine derivative in hemolymph.
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	H <sub>2</sub> O: 100 mg/mL (383.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8355 mL	19.1777 mL	38.3553 mL
5 mM	0.7671 mL	3.8355 mL	7.6711 mL
10 mM	0.3836 mL	1.9178 mL	3.8355 mL
50 mM	0.0767 mL	0.3836 mL	0.7671 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

T.L.Hopkins, et al. Catecholamines in haemolymph and cuticle during larval, pupal and adult development of *Manduca sexta* (L.). *Insect Biochemistry*. Volume 14, Issue 5, 1984, Pages 533-540.

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