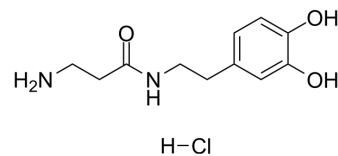


## N-β-alanyldopamine hydrochloride

<b>Cat. No.:</b>	HY-136537A
<b>CAS No.:</b>	58077-93-3
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>17</sub> ClN <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	260.72
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 125 mg/mL (479.44 mM); Need ultrasonic				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	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
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 25 mg/mL (95.89 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

<b>Description</b>	N-β-alanyldopamine hydrochloride (NBAD hydrochloride) is the major dopamine derivative in haemolymph <sup>[1]</sup> .
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### REFERENCES

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

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