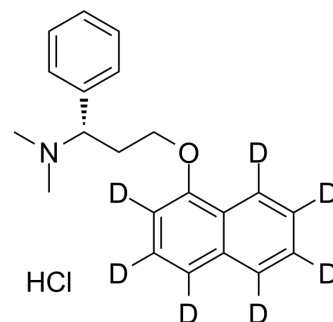


## Dapoxetine-d7 hydrochloride

Cat. No.:	HY-B0304AS
Molecular Formula:	C <sub>21</sub> H <sub>17</sub> D <sub>7</sub> ClNO
Molecular Weight:	348.92
Target:	Serotonin Transporter
Pathway:	Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (716.50 mM; Need ultrasonic)  
H<sub>2</sub>O : 50 mg/mL (143.30 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.8660 mL	14.3299 mL	28.6599 mL
	5 mM	0.5732 mL	2.8660 mL	5.7320 mL
	10 mM	0.2866 mL	1.4330 mL	2.8660 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: ≥ 2.08 mg/mL (5.96 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (5.96 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (5.96 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Dapoxetine-d<sub>7</sub> (hydrochloride) is the deuterium labeled Dapoxetine hydrochloride. Dapoxetine hydrochloride is a short-acting selective serotonin reuptake inhibitor (SSRI)[1].

### REFERENCES

- [1]. McMahon CG. Dapoxetine: a new option in the medical management of premature ejaculation. Ther Adv Urol. 2012 Oct;4(5):233-51.

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

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