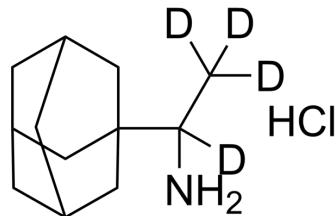


Rimantadine-d₄ hydrochloride

Cat. No.:	HY-B0338S	
CAS No.:	350818-67-6	
Molecular Formula:	C ₁₂ H ₁₈ D ₄ ClN	
Molecular Weight:	219.79	
Target:	Influenza Virus	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



BIOLOGICAL ACTIVITY

Description	Rimantadine-d ₄ (hydrochloride) is the deuterium labeled Rimantadine hydrochloride. Rimantadine hydrochloride is an anti-influenza virus agent ^{[1][2]} .
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Tominack, R.L. and F.G. Hayden, Rimantadine hydrochloride and amantadine hydrochloride use in influenza A virus infections. *Infect Dis Clin North Am*, 1987. 1(2): p. 459-78.
- [3]. Hall, C.B., et al., Children with influenza A infection: treatment with rimantadine. *Pediatrics*, 1987. 80(2): p. 275-82.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA