
Product Data Sheet

Product Name: Rimantadine-d4 hydrochloride

Cat. No.: GC68428

Chemical Properties

Cas. No. 350818-67-6

Formula $C_{12}H_{18}D_4ClN$ M.Wt 219.79

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Rimantadine-d4 hydrochloride is the deuterium labeled Rimantadine hydrochloride.

Rimantadine hydrochloride is an anti-influenza virus agent^{[1][2]}.

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].

[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: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
