
Product Data Sheet

Product Name: Rimantadine

Cat. No.: GC17819

Chemical Properties

Cas. No. 13392-28-4

Chemical Name 1-(1-adamantyl)ethanamine

SMILES CC(C12CC3CC(C1)CC(C3)C2)NFormula $C_{12}H_{21}N$ M.Wt 179.3

Solubility DMSO : 33mg/mL; Water : 33mg/mL 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 (Flumadine) is an anti-influenza virus drug. Target: Influenza Virus. Rimantadine are oral antiviral drugs useful in the prophylaxis and treatment of influenza A virus infections. Rimantadine has prophylactic efficacy comparable to amantadine but lower potential for causing adverse effects [1]. Double-blind study of children with influenza-like illness. 37 received rimantadine for five days. Of the total 37 children in the rimantadine group, 27% were found to have resistant isolated compared with 6% in the total group receiving acetaminophen ($P < .04$). Furthermore, the mean inhibitory concentration of rimantadine increased with time in the rimantadine group ($r = .4$, $P = .002$) [2].

References:

[1]. 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.

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

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[2]. Hall, C.B., et al., Children with influenza A infection: treatment with rimantadine. Pediatrics, 1987. 80(2): p. 275-82.

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