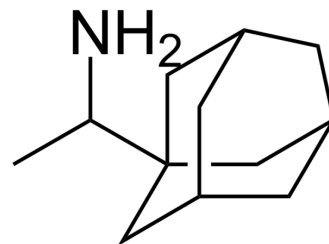


Rimantadine

Cat. No.:	HY-B0338
CAS No.:	13392-28-4
Molecular Formula:	C ₁₂ H ₂₁ N
Molecular Weight:	179.3
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (139.43 mM); ultrasonic and warming and heat to 60°C

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.5772 mL	27.8862 mL	55.7724 mL
	5 mM	1.1154 mL	5.5772 mL	11.1545 mL
	10 mM	0.5577 mL	2.7886 mL	5.5772 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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.
- [2]. 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.

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