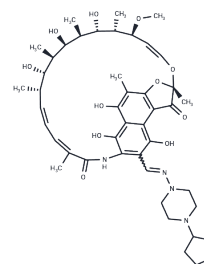


25-Desacetylrifapentine

Chemical Properties

CAS No. :	79039-56-8
Formula:	C ₄₅ H ₆₂ N ₄ O ₁₁
Molecular Weight:	835.008
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	25-Desacetylrifapentine is the main metabolite of DL 473-IT in plasma.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1976 mL	5.988 mL	11.9759 mL
5 mM	0.2395 mL	1.1976 mL	2.3952 mL
10 mM	0.1198 mL	0.5988 mL	1.1976 mL
50 mM	0.024 mL	0.1198 mL	0.2395 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Egelund EF, Weiner M, Singh RP, Prihoda TJ, Gelfond JA, Derendorf H, Mac Kenzie WR, Peloquin CA. Protein binding of rifapentine and its 25-desacetyl metabolite in patients with pulmonary tuberculosis. *Antimicrob Agents Chemother.* 2014 Aug;58(8):4904-10. doi: 10.1128/AAC.01730-13. Epub 2014 May 19. PubMed PMID: 24841270; PubMed Central PMCID: PMC4136068.

Keung AC, Owens RC Jr, Eller MG, Weir SJ, Nicolau DP, Nightingale CH. Pharmacokinetics of rifapentine in subjects seropositive for the human immunodeficiency virus: a phase I study. *Antimicrob Agents Chemother.* 1999 May;43(5):1230-3. PubMed PMID: 10223941; PubMed Central PMCID: PMC89138.

Keung AC, Eller MG, Weir SJ. Pharmacokinetics of rifapentine in patients with varying degrees of hepatic dysfunction. *J Clin Pharmacol.* 1998 Jun;38(6):517-24. PubMed PMID: 9650541.

Riva E, Merati R, Cavenaghi L. High-performance liquid chromatographic determination of rifapentine and its metabolite in human plasma by direct injection into a shielded hydrophobic phase column. *J Chromatogr.* 1991 Aug 16;553(1-2):35-40. PubMed PMID: 1787163.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481