

XR-11576

Chemical Properties

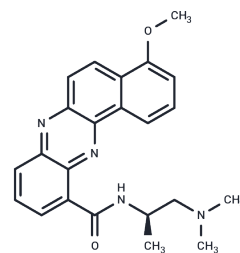
CAS No. : 346689-77-8

Formula: C₂₃H₂₄N₄O₂

Molecular Weight: 388.46

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	XR-11576 is a DNA topoisomerase I and II inhibitor for the treatment of solid tumors.
Targets(IC50)	Others,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5743 mL	12.8713 mL	25.7427 mL
5 mM	0.5149 mL	2.5743 mL	5.1485 mL
10 mM	0.2574 mL	1.2871 mL	2.5743 mL
50 mM	0.0515 mL	0.2574 mL	0.5149 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

Jobson AG, Willmore E, Tilby MJ, Mistry P, Charlton P, Austin CA. Effect of phenazine compounds XR11576 and XR5944 on DNA topoisomerases. *Cancer Chemother Pharmacol*. 2009 Apr;63(5):889-901. doi: 10.1007/s00280-008-0812-9. Epub 2008 Aug 5. PubMed PMID: 18679685.

Lewis LJ, Mistry P, Charlton PA, Thomas H, Coley HM. Mode of action of the novel phenazine anticancer agents XR11576 and XR5944. *Anticancer Drugs*. 2007 Feb;18(2):139-48. PubMed PMID: 17159600.

Di Nicolantonio F, Knight LA, Di Palma S, Sharma S, Whitehouse PA, Mercer SJ, Charlton PA, Norris D, Cree IA. Ex vivo characterization of XR11576 (MLN576) against ovarian cancer and other solid tumors. *Anticancer Drugs*. 2004 Oct;15(9):849-60. PubMed PMID: 15457125.

de Jonge MJ, Kaye S, Verweij J, Brock C, Reade S, Scurr M, van Doorn L, Verheij C, Loos W, Brindley C, Mistry P, Cooper M, Judson I. Phase I and pharmacokinetic study of XR11576, an oral topoisomerase I and II inhibitor, administered on days 1-5 of a 3-weekly cycle in patients with advanced solid tumours. *Br J Cancer*. 2004 Oct 18;91(8):1459-65. PubMed PMID: 15452551; PubMed Central PMCID: PMC2409936.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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