

Ro 31-0313

Chemical Properties

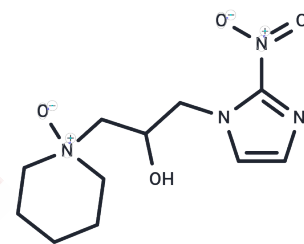
CAS No. : 77273-77-9

Formula: C₁₁H₁₈N₄O₄

Molecular Weight: 270.29

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	Ro 31-0313 is a metabolite of Ro 03-8799, radiation sensitizing agent.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6997 mL	18.4986 mL	36.9973 mL
5 mM	0.7399 mL	3.6997 mL	7.3995 mL
10 mM	0.370 mL	1.8499 mL	3.6997 mL
50 mM	0.074 mL	0.370 mL	0.7399 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

Walton MI, Bleehen NM, Workman P. Effects of localised tumour hyperthermia on pimonidazole (Ro 03-8799) pharmacokinetics in mice. Br J Cancer. 1989 May;59(5):667-73. PubMed PMID: 2736198; PubMed Central PMCID: PMC2247237.

Walton MI, Bleehen NM, Workman P. The effects of whole body hyperthermia on the pharmacokinetics and toxicity of the basic 2-nitroimidazole radiosensitizer Ro 03-8799 in mice. Br J Cancer. 1987 May;55(5):469-76. PubMed PMID: 3606940; PubMed Central PMCID: PMC2001726.

Malcolm SL, Lee A, Groves JK. High-performance liquid chromatographic analysis of the new hypoxic cell radiosensitiser, Ro 03-8799, in biological samples. J Chromatogr. 1983 Apr 8;273(2):327-33. PubMed PMID: 6863447.

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