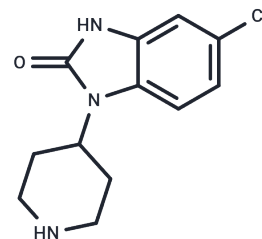


Domperidone EP Impurity A

Chemical Properties

CAS No. :	53786-28-0
Formula:	C ₁₂ H ₁₄ ClN ₃ O
Molecular Weight:	251.71
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	Domperidone EP Impurity A is used as pharmaceutical intermediates.
Targets(IC50)	Others,GABA Receptor

Solubility Information

Solubility	DMSO: 30 mg/mL (119.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (13.11 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9728 mL	19.8641 mL	39.7283 mL
5 mM	0.7946 mL	3.9728 mL	7.9457 mL
10 mM	0.3973 mL	1.9864 mL	3.9728 mL
50 mM	0.0795 mL	0.3973 mL	0.7946 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

- Meuldermans, W., Hurkmans, R., Swysen, E., Hendrickx, J., Michiels, M., Lauwers, W., & Heykants, J. (1981). On the pharmacokinetics of domperidone in animals and man III. Comparative study on the excretion and metabolism of domperidone in rats, dogs and man. *European Journal Of Drug Metabolism And Pharmacokinetics*, 6(1), 49-60. doi: 10.1007/bf03189515
- Simard, C., Michaud, V., Gibbs, B., Massé, R., Lessard, É., & Turgeon, J. (2004). Identification of the cytochrome P450 enzymes involved in the metabolism of domperidone. *Xenobiotica*, 34(11-12), 12013-1023. doi: 10.1080 /200498250420202015301

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