
Product Data Sheet

Product Name: Gastrofensin AN 5 free base

Cat. No.: GC32051

Chemical Properties

Cas. No. 89845-16-9

SMILES O=C(OCC)NC1=CC=CC2=C1CN(C)CC2C3=CC=C(Cl)C=C3Formula $C_{19}H_{21}ClN_2O_2$ M.Wt 344.84

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Gastrofensin AN 5 free base, a 4-phenyl-tetrahydroisoquinoline derivative, is an antiulcer agent.

Gastrofensin AN 5 suppresses the formation of ulcers in all experimental models. From the broad pharmacological studies of Gastrofensin AN 5 on this model it can be seen that even a dose of 0.100 mg/kg has a high antiulcer activity. The increase of the dose leads to a regular increase of the antiulcer activity, the highest suppression of the ulcer index being reached at a dose of 1 mg/kg (86.15%). The comparative studies with Ranitidine and Cimetidine on the same experimental models of gastric ulcers show that Gastrofensin AN 5 possesses an antiulcer activity many times higher than that of the above-mentioned drugs[1].

[1]. Ivanova N, et al. A new class of antiulcer drugs. I. Antiulcer effect of AN5, a 4-phenyl-tetrahydroisoquinoline derivative, on different experimental models of ulcer in rats. Methods Find Exp Clin Pharmacol. 1990 Jul-Aug;12(6):401-10.

Caution: Product has not been fully validated for medical applications. For research use only.

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