
Product Data Sheet

Product Name: Benzamide Derivative 1

Cat. No.: GC35492

Chemical Properties

Cas. No. 108226-05-7

SMILES O=C(NC1CCN(CCCC2OCCC2)CC1)C3=CC(Cl)=C(N)C=C3OCCC

Formula $C_{22}H_{34}ClN_3O_3$ M.Wt 423.98

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

Benzamide Derivative 1 is a benzamide derivative from patent EP0213775A1, compound 18. Benzamide Derivative 1 may be useful in treatment of gastrointestinal disorders.

Substituted benzamides have been shown to possess a number of pharmacological properties most of which are related to their ability to antagonize the central and peripheral effects of dopamine and/or facilitate the release of acetylcholine on to muscarinic receptors in the gastrointestinal smooth muscle. This has led to their successful clinical use as antiemetic and in the treatment of a wide range of gastrointestinal disorders of somatic, psychosomatic and iatrogenic origin[1].

References:

[1]. Noverola V, et al. Preparation and formulation of N-heterocyclyl-substituted benzamides useful in treatment of gastrointestinal disorders. EP0213775A1.

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

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