

Product Data Sheet

Product Name: CID 1375606

Cat. No.: GC31119

Chemical Properties

Cas. No. 313493-80-0

SMILES O=C(NC1=CC=C(C(=O)C=C1)C3=CC=C(Cl)C=C3Cl

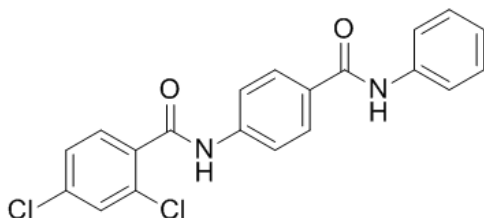
Formula C20H14Cl2N2O2 M.Wt 385.24

Solubility DMSO : 53.33 mg/mL (138.43 mM); Water : < 0.1 mg/mL (insoluble) 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

CID 1375606 is a surrogate agonist of orphan G protein-coupled receptor GPR27.

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

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CID 1375606 is a GPR27-specific surrogate agonist. GPR27 is characterized by a high level of conservation among vertebrates and a predominant expression in the central nervous system. In addition, it has recently been linked to insulin secretion[1].

[1]. Dupuis N, et al. Activation of the Orphan G Protein-Coupled Receptor GPR27 by Surrogate Ligands Promotes β -Arrestin 2 Recruitment. Mol Pharmacol. 2017 Jun;91(6):595-608.

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