

Product Name: CID 1375606

Catalog No.: 6544

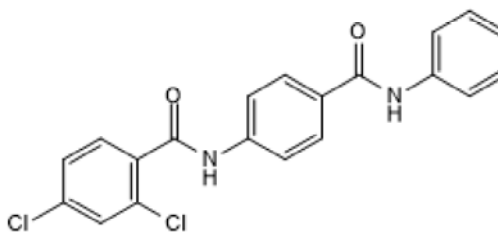
Batch No.: 1

CAS Number: 313493-80-0

IUPAC Name: 2,4-Dichloro-N-(4-(phenylcarbamoyl)phenyl)benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₄Cl₂N₂O₂
Batch Molecular Weight: 385.24
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	62.35	3.66	7.27
Found	62.43	3.67	7.41

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

GPR27 agonist. Promotes recruitment of β -arrestin 2 to chimeric GPR27V₂ and wild-type GPR27 in a firefly luciferase complementation assay (pEC₅₀ values are 6.34 and 5.1, respectively).

Physical and Chemical Properties:

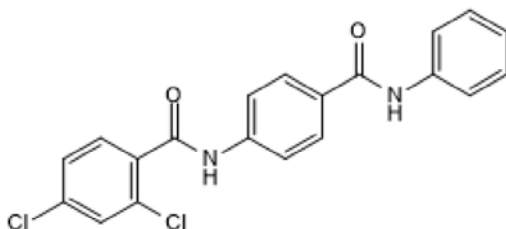
Batch Molecular Formula: C₂₀H₁₄Cl₂N₂O₂

Batch Molecular Weight: 385.24

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Dupuis *et al* (2017) Activation of the orphan G protein-coupled receptor GPR27 by surrogate ligands promotes β -arrestin 2 recruitment. *Mol.Pharmacol.* **91** 595. PMID: 28314853.

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