

Product Name: AMG 853

Catalog No.: 5701

Batch No.: 1

CAS Number: 1169483-24-2

IUPAC Name: 5-Chloro-4-[2-[[[2-chloro-4-cyclopropylphenyl)sulfonyl]amino]-4-[[[1,1-dimethylethyl)amino]carbonyl]phenoxy]-2-fluorobenzeneacetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₈H₂₇Cl₂FN₂O₆S

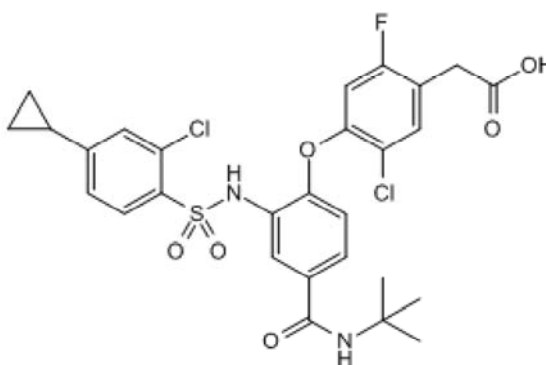
Batch Molecular Weight: 609.49

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.53 (Ethyl acetate)

HPLC: Shows 97.7% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 55.18 | 4.47 | 4.6 |
| Found | 55.03 | 4.37 | 4.71 |

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

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Description:

AMG 853 is a potent prostaglandin D₂ (PGD₂, CRTH2) receptor antagonist (IC₅₀ values are 8 and 35 nM, respectively in plasma). Inhibits PGD₂-induced down modulation of CRTH2 on CD16-granulocytes in human whole blood as well as PGD₂-induced cAMP response in platelets. Inhibits PGD₂-induced airway constriction in vivo. Orally bioavailable.

Physical and Chemical Properties:

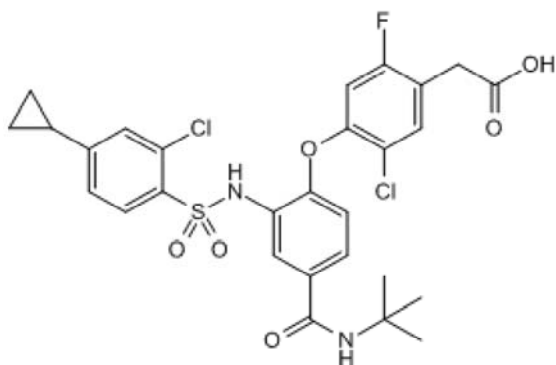
Batch Molecular Formula: C₂₈H₂₇Cl₂FN₂O₆S

Batch Molecular Weight: 609.49

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol 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:

Liu *et al* (2011) Discovery of AMG 853, a CRTH2 and DP dual antagonist. ACS Med.Chem.Lett. 2 326. PMID: 24900313.

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