

Product Name: CATPB

Catalog No.: 5903

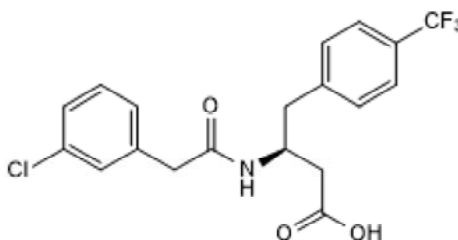
Batch No.: 1

CAS Number: 1322598-09-3

IUPAC Name: (S)-3-(2-(3-Chlorophenyl)acetamido)-4-(4-(trifluoromethyl)phenyl)butanoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₇ClF₃NO₃
Batch Molecular Weight: 399.79
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 50 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.7% purity
Chiral HPLC: Shows >99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	57.08	4.29	3.5
Found	56.71	4.26	3.44

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

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Description:

CATPB is a FFA2 inverse agonist (pKi = 7.87). Selective for human over mouse FFA2. Increases forskolin-induced cAMP production and inhibits acetate-induced MAPK signaling in cells expressing human FFA2.

Physical and Chemical Properties:

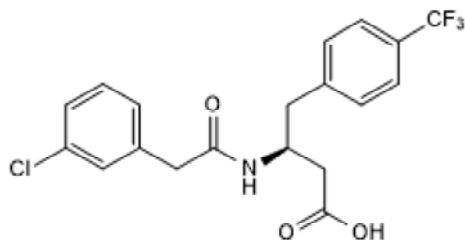
Batch Molecular Formula: C₁₉H₁₇ClF₃NO₃

Batch Molecular Weight: 399.79

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 50 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:

Park *et al* (2016) Selective novel inverse agonists for human GPR43 augment GLP-1 secretion. *Eur.J.Pharmacol.* **771** 1. PMID: 26683635 .

Sergeev *et al* (2016) Non-equivalence of key positively charged residues of the free fatty acid 2 receptor in the recognition and function of agonist versus antagonist ligands. *J.Biol.Chem.* **291** 303. PMID: 26518871 .

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