

Product Name: TC NTR1 17

Catalog No.: 5087

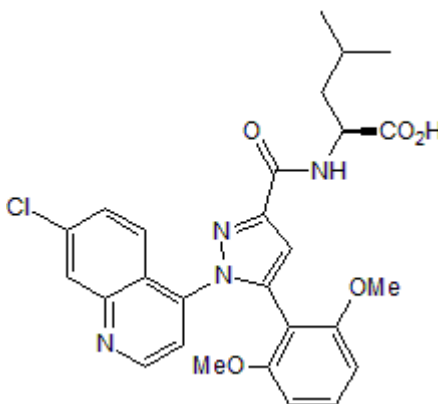
Batch No.: 1

CAS Number: 1146757-96-1

IUPAC Name: *N*-[[1-(7-Chloro-4-quinolinyl)-5-(2,6-dimethoxyphenyl)-1*H*-pyrazol-3-yl]carbonyl]-L-leucine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₂₇ClN₄O₅·³/₄H₂O
Batch Molecular Weight: 536.49
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 1eq. NaOH to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.47 (Chloroform:Methanol [9:1])
HPLC: Shows 99.8% purity
Chiral HPLC: Shows 100% purity
¹H NMR: Consistent with structure
 Mass Spectrum: Consistent with structure
 Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	60.45	5.35	10.44
Found	60.52	5.28	10.32

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

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Description:

Non-peptide neurotensin receptor 1 (NTS₁) agonist (EC₅₀ = 2-4 μM). Exhibits selectivity for NTS₁ over a range of other GPCRs, including NTS₂ and GPR35.

Physical and Chemical Properties:

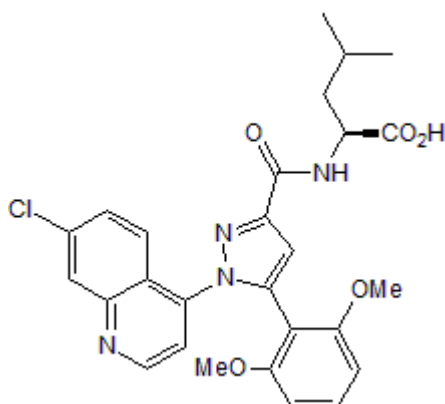
Batch Molecular Formula: C₂₇H₂₇ClN₄O₅·¾H₂O

Batch Molecular Weight: 536.49

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

1eq. NaOH 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:

Hershberger *et al* (2014) Imidazole-derived agonists for the neurotensin 1 receptor. *Bioorg.Med.Chem.Lett.* **24** 262. PMID: 24332089.

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