

**Product Name:** CITFA

**Catalog No.:** 7811

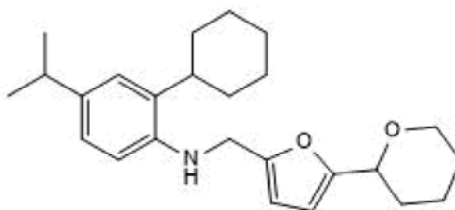
**Batch No.:** 1

CAS Number: 2379989-52-1

IUPAC Name: *N*-[2-Cyclohexyl-4-(1-methylethyl)phenyl]-5-(tetrahydro-2*H*-pyran-2-yl)-2-furanmethanamine

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>25</sub>H<sub>35</sub>NO<sub>2</sub>  
**Batch Molecular Weight:** 381.56  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 50 mM  
ethanol to 10 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.2% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	78.7	9.25	3.67
Found	78.93	9.29	3.71

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

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**Description:**

CITFA is a potent GPER agonist (EC<sub>50</sub> = 38.7 nM). It significantly increases axonal and dendritic growth in rat embryonic (E18) hippocampal neurons.

**Physical and Chemical Properties:**

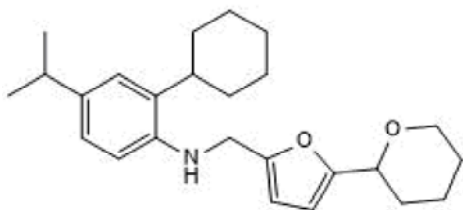
Batch Molecular Formula: C<sub>25</sub>H<sub>35</sub>NO<sub>2</sub>

Batch Molecular Weight: 381.56

Physical Appearance: Off White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 mM

ethanol to 10 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.

**Licensing Information:**

Sold under licence from Saint Louis University.

**References:**

DeLeon *et al* (2022) Novel GPER agonist, CITFA, increases neurite growth in rat embryonic (E18) hippocampal neurons. ACS Chem.Neurosci. **13** 1119. PMID: 35353510.

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