

**Product Name:** (±)-CPSI 1306

**Catalog No.:** 4400

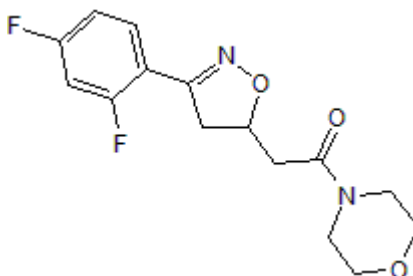
**Batch No.:** 1

**CAS Number:** 1309793-47-2

**IUPAC Name:** 2-[3-(3-(2,4-Difluorophenyl)-4,5-dihydro-5-isoxazolyl)-1-(4-morpholinyl)ethanone

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>15</sub>H<sub>16</sub>F<sub>2</sub>N<sub>2</sub>O<sub>3</sub>  
**Batch Molecular Weight:** 310.3  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 10 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.17 (Ethyl acetate:Petroleum ether [1:1])  
**HPLC:** Shows >99.8% purity  
**Chiral HPLC:** Shows 50% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	58.06	5.2	9.03
Found	58.32	5.35	8.75

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

**Product Name:** (±)-CPSI 1306

**Catalog No.:** 4400

**Batch No.:** 1

**CAS Number:** 1309793-47-2

**IUPAC Name:** 2-[3-(3-(2,4-Difluorophenyl)-4,5-dihydro-5-isoxazolyl)]-1-(4-morpholinyl)ethanone

**Description:**

Reported to be a macrophage inhibitory factor (MIF) inhibitor.

**Physical and Chemical Properties:**

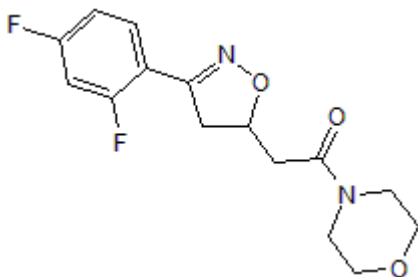
Batch Molecular Formula: C<sub>15</sub>H<sub>16</sub>F<sub>2</sub>N<sub>2</sub>O<sub>3</sub>

Batch Molecular Weight: 310.3

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 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.

**References:**

**Kithcart et al (2010)** A small-molecule inhibitor of macrophage migration inhibitory factor for the treatment of inflammatory disease. *FASEB J.* **24** 4459. PMID: 20624927.

**Sanchez-Zamora et al (2010)** Macrophage migration inhibitory factor is a therapeutic target in treatment of non-insulin-dependent diabetes mellitus. *FASEB J.* **24** 2583. PMID: 20203087.

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

Tocris Bioscience is an R&D Systems company  
USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373  
www.RnDSystems.com

**R&D**  
SYSTEMS®