

**Product Name:** ONO 8130

**Catalog No.:** 5406

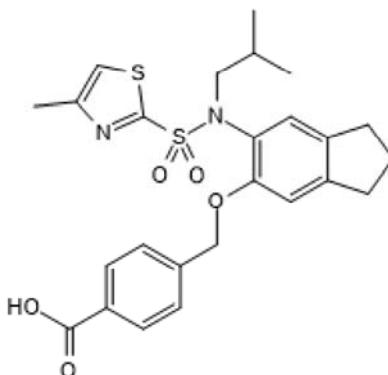
**Batch No.:** 1

CAS Number: 459841-96-4

IUPAC Name: 4-[[[2,3-Dihydro-6-[(2-methylpropyl)[(4-methyl-2-thiazolyl)sulfonyl]amino]-1*H*-indene-5yl]oxy]methyl]benzoic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>25</sub>H<sub>28</sub>N<sub>2</sub>O<sub>5</sub>S<sub>2</sub>  
**Batch Molecular Weight:** 500.63  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 20 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.54 (Chloroform:Methanol [9:1])  
**HPLC:** Shows 99.8% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	59.98	5.64	5.6
Found	60.07	5.62	5.58

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**Description:**

ONO 8130 is an EP<sub>1</sub> receptor antagonist. Exhibits analgesic effect in a mouse model of cystitis. Orally bioavailable.

**Physical and Chemical Properties:**

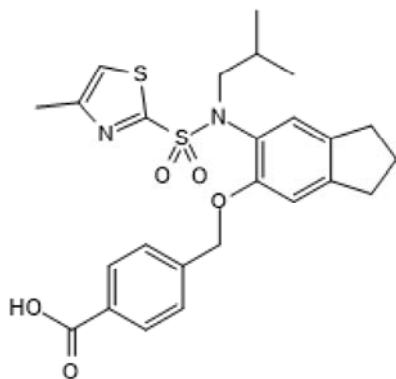
Batch Molecular Formula: C<sub>25</sub>H<sub>28</sub>N<sub>2</sub>O<sub>5</sub>S<sub>2</sub>

Batch Molecular Weight: 500.63

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 20 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:**

**Miki et al** (2011) ONO-8130, a selective prostanoid EP<sub>1</sub> receptor antagonist, relieves bladder pain in mice with cyclophosphamide-induced cystitis. *Pain* **152** 1373. PMID: 21396778.

**Lipina et al** (2005) Modulators of the glycine site on NMDA receptors, D-serine and ALX 5407, display similar beneficial effects to cloz. in mouse models of schizophrenia. *Psychopharmacology* **179** 54. PMID: 15759151.

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