

## Certificate of Analysis

**Product Name:** ONO 8130

**Catalog No.:** 5406

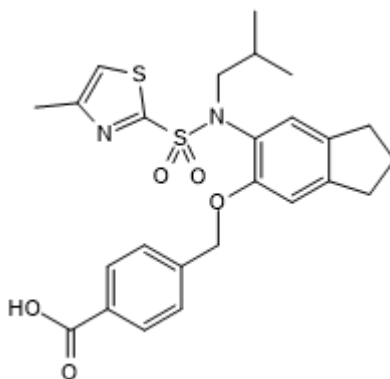
**Batch No.:** 1

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

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



### 2. ANALYTICAL DATA

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

	Carbon	Hydrogen	Nitrogen
Theoretical	59.98	5.64	5.6
Found	60.07	5.62	5.58

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

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**Description:**

EP<sub>1</sub> receptor antagonist. Exhibits analgesic effect in a mouse mode of cystitis. Orally bioavailable.

**Physical and Chemical Properties:**

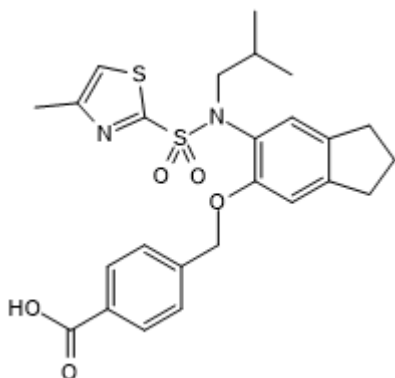
Batch Molecular Formula: C<sub>25</sub>H<sub>28</sub>N<sub>2</sub>O<sub>5</sub>S<sub>2</sub>

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 clozapine in mouse models of schizophrenia. *Psychopharmacology* **179** 54. PMID: 15759151.

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