

**Product Name:** CPCCOEt

**Catalog No.:** 1028

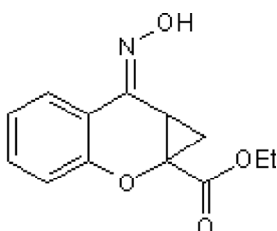
**Batch No.:** 13

CAS Number: 179067-99-3

IUPAC Name: 7-(Hydroxyimino)cyclopropa[b]chromen-1a-carboxylate ethyl ester

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>13</sub>H<sub>13</sub>NO<sub>4</sub>  
**Batch Molecular Weight:** 247.25  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at RT  
**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	63.15	5.3	5.67
Found	64.08	5.13	5.65

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

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**Description:**

CPCCOEt is a hmGlu<sub>1</sub> subtype-selective non-competitive antagonist (IC<sub>50</sub> = 6.5 μM). Has no agonist or antagonist activity at hmGlu<sub>2, 4a, 5a, 7b, 8a</sub> or ionotropic receptors at concentrations of up to 100 μM.

**Physical and Chemical Properties:**

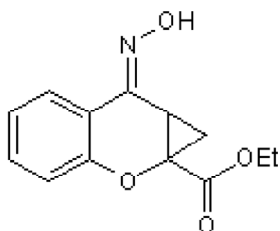
Batch Molecular Formula: C<sub>13</sub>H<sub>13</sub>NO<sub>4</sub>

Batch Molecular Weight: 247.25

Physical Appearance: Off White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 100 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. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**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 for research purposes under license from Suntory Ltd.

**References:**

**Litschig *et al*** (1999) CPCCOEt, a noncompetitive metabotropic glutamate receptor 1 antagonist, inhibits receptor signaling without affecting glutamate binding. *Mol.Pharmacol.* **55** 453. PMID: 10051528.

**Hermans *et al*** (1998) Reversible and non-competitive antagonist profile of CPCCOEt at the human type 1α metabotropic glutamate receptor. *Neuropharmacology* **37** 1645. PMID: 9886688.

**Annoura *et al*** (1996) A novel class of antagonists for metabotropic glutamate receptors, 7-(hydroxyimino)cyclopropa[b]chromen-1a-carboxylates. *Bioorg.Med.Chem.Lett.* **6** 763.

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