SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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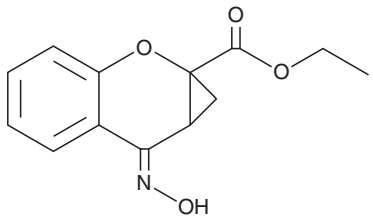
PRODUCT INFORMATION

CPCCOEt

Item No. 21486

CAS Registry No.: 179067-99-3
Formal Name: 7,7a-dihydro-7-(hydroxyimino)-benzo[b]cyclopropa[e]pyran-1a(1H)-carboxylic acid, ethyl ester
MF: $C_{13}H_{13}NO_4$
FW: 247.3
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

CPCCOEt is supplied as a solid. A stock solution may be made by dissolving the CPCCOEt in the solvent of choice. CPCCOEt is soluble in the organic solvent DMSO, which should be purged with an inert gas, at a concentration of approximately 100 mM.

Description

CPCCOEt is a low affinity, selective, non-competitive antagonist of the metabotropic glutamate receptor subtype mGluR1b. It has been shown to inhibit glutamate-induced increases in intracellular calcium at human mGluR1b with an IC_{50} value of 6.5 µM while having no agonist or antagonist activity at mGluR2, -4a, -5a, -7b, and -8a at concentrations up to 100 µM.[1]

Reference

1. Litschig, S., Gasparini, F., Rueegg, D., *et al.* CPCCOEt, a noncompetitive metabotropic glutamate receptor 1 antagonist, inhibits receptor signaling without affecting glutamate binding. *Mol. Pharmacol.* **55(3)**, 453-461 (1999).

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