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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



ONO-8711 (dicyclohexylamine salt)

Item No. 38432

Formal Name: 6-[(2R,3S)-3-[[[(4-chloro-2-methylphenyl)sulfonyl]amino)methyl]bicyclo[2.2.2]oct-2-yl]-5Z-hexenoic acid, dicyclohexylamine salt

MF: C₂₂H₃₀ClNO₄S • C₁₂H₂₃N

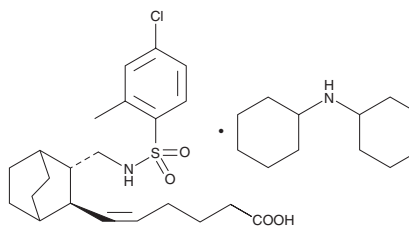
FW: 621.3

Purity: ≥98%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



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

Laboratory Procedures

ONO-8711 (dicyclohexylamine salt) is supplied as a solid. A stock solution may be made by dissolving the ONO-8711 (dicyclohexylamine salt) in the solvent of choice, which should be purged with an inert gas. ONO-8711 (dicyclohexylamine salt) is soluble in the organic solvent DMSO at a concentration of approximately 10 mg/ml.

Description

ONO-8711 is an antagonist of the prostaglandin E₂ (PGE₂; Item No. 14010) receptor subtype EP₁ (K_is = 0.6 and 1.7 nM for human and mouse receptors, respectively, expressed in CHO cells).¹ It is selective for EP₁ over EP₂, EP₃, and EP₄ (K_is = >1,000, 67, and >1,000 nM, respectively, for mouse receptors expressed in CHO cells). ONO-8711 inhibits PGE₂-induced increases in intracellular calcium concentrations in cells expressing human or mouse EP₁ (EC₅₀s = 50 and 210 nM, respectively). Dietary administration of ONO-8711 (400 and 800 ppm) reduces the incidence of squamous cell carcinoma and severe dysplasia in a rat model of tongue carcinogenesis induced by 4-nitroquinoline 1-oxide.²

References

1. Watanabe, K., Kawamori, T., Nakatsugi, S., *et al.* Role of the prostaglandin E receptor subtype EP₁ in colon carcinogenesis. *Cancer Res.* **59(20)**, 5093-5096 (1999).
2. Makita, H., Mutoh, M., Maruyama, T., *et al.* A prostaglandin E₂ receptor subtype EP₁-selective antagonist, ONO-8711, suppresses 4-nitroquinoline 1-oxide-induced rat tongue carcinogenesis. *Carcinogenesis* **28(3)**, 677-684 (2007).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

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