

ProductInformation

Cat. No. R-134

RILMENIDINE HEMIFUMARATE

OXAMINOZOLINE

Selective I₁ imidazoline receptor agonist.

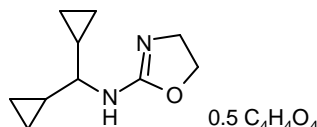
Mol. Formula: C₁₀H₁₆N₂O•0.5 C₄H₄O₄

Mol. Wt.: 238.29 (anhyd.)

m.p.: 185-192°C

CAS Registry No.: 207572-68-7

Chemical Name: N-(Dicyclopropylmethyl)-4,5-dihydro-2-oxazolamine



Physical Properties: White solid.

Caution: While no human toxicity data is available for this substance, it should be handled with care. Precautions should be taken to avoid contact by all routes of exposure.

Storage: Store tightly sealed at room temperature.

Solubility: Soluble in DMSO at 13 mg/mL with heat; insoluble in water.

Disposal: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. OBSERVE ALL LOCAL, STATE AND FEDERAL LAWS.

References:

1. Chan, C.K. et al. "Role of imidazoline receptors in the cardiovascular actions of moxonidine, rilmenidine and clonidine in conscious rabbits." *J. Pharmacol. Exp. Ther.* **276**, 411-420 (1998).
2. Takada, K. et al. "The involvement of pertussis toxin-sensitive G proteins in the post receptor mechanism of central I₁-imidazoline receptors." *Br. J. Pharmacol.* **120**, 1575-1581 (1997).
3. Ozog, M. et al. "Rilmenidine elevates cytosolic free calcium concentration in suspended cerebral astrocytes." *J. Neurochem.* **71**, 1429-1435 (1998).
4. van Zwieten, P. et al. "Central imidazoline (I₁) receptors as targets of centrally acting antihypertensives: moxonidine and rilmenidine." *J. Hypertens.* **15**, 117-125 (1997).

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