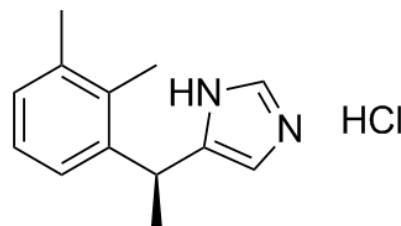


Product Name : Dexmedetomidine hydrochloride
Cat. No. : PC-45156
CAS No. : 145108-58-3
Molecular Formula : C₁₃H₁₇ClN₂
Molecular Weight : 236.7405
Target : Adrenergic Receptor
Solubility : 10 mM in DMSO



Biological Activity

Dexmedetomidine hydrochloride is an agonist of **α₂-adrenergic** receptor with K_i of 1.08 nM. Dexmedetomidine hydrochloride is used in veterinary medicine for its analgesic and sedative properties. Dexmedetomidine hydrochloride also protects against lung injury induced by ischemia-reperfusion through inhibition of autophagy in rats.

References

Cormack JR, et al. J Clin Neurosci. 2005 May;12(4):375-8.
Luo C, et al. Front Cell Neurosci. 2017 Jul 6;11:197.
Zhang W, et al. Exp Ther Med. 2017 Aug;14(2):973-980.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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