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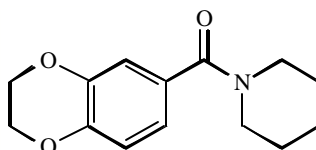
Product Information

Cat. No. C-271

CX546

Positive AMPA receptor modulator; more potent ampakine than 1-BCP (Cat.No. B-171).

Mol. Formula: C₁₄H₁₇NO₃
Mol. Wt.: 247.3 (anhyd.)
m.p.: 94-96°C
CAS Number 215923-54-9



Chemical Name: 1-(1,4-Benzodioxan-6-ylcarbonyl)piperidine

Physical Properties: White photosensitive 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 4°C, protected from exposure to light.

Solubility: Soluble in DMSO (10 mg/ml) or water (0.3 mg/ml).

Disposal: Dissolve or mix the compound 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. Rogers, G., Thorell, J.-O., Johnstrom, P. et al. "Ampakines: Labelling with ¹¹C for PET distribution studies." *J. Labelled Cmps. Radiopharm.* **40**, 645-647 (1997).
2. Holst, B.D., Vanderklish, P.W., Krushel, L.A et al. "Allosteric modulation of AMPA-type glutamate receptors increases activity of the promoter for the neural cell adhesion molecule, N-CAM." *Proc. Natl. Acad. Sci. USA* **95**, 2597-2602 (1998).
3. Larson, J., Quach, C.N., LeDuc, B.Q. et al. "Effects of an AMPA receptor modulator on methamphetamine-induced hyperactivity in rats." *Brain Res.* **738**, 353-356 (1996).

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