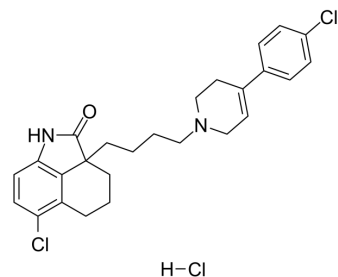


DR4485 hydrochloride

Cat. No.:	HY-103126
CAS No.:	402942-53-4
Molecular Formula:	C ₂₆ H ₂₉ Cl ₃ N ₂ O
Molecular Weight:	491.88
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DR4485 (hydrochloride) is an orally active and selective 5-HT ₇ antagonist (pK _i =8.14) ^[1] .
IC₅₀ & Target	5-HT ₇ Receptor 8.14 (pK _i)
In Vitro	DR4485 (MZ54 WT cells; 6 μM or 8 μM) hydrochloride induces autophagy as well as cell death that is diminished by KO of ATG5 and ATG7 ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kikuchi C, et al. New tetrahydrobenzindoles as potent and selective 5-HT(7) antagonists with increased In vitro metabolic stability. *Bioorg Med Chem Lett.* 2003;13(1):61-64.

[2]. Meyer N, et al. Autophagy activation, lipotoxicity and lysosomal membrane permeabilization synergize to promote pimozide- and loperamide-induced glioma cell death [published online ahead of print, 2021 Jan 19]. *Autophagy.* 2021;1-20.

Caution: Product has not been fully validated for medical applications. For research use only.

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