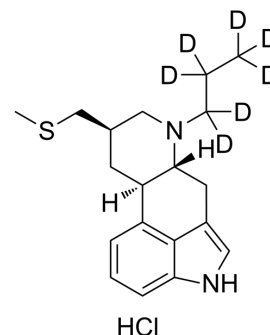


Pergolide-d₇ hydrochloride

Cat. No.:	HY-13720S
Molecular Formula:	C ₁₉ H ₂₀ D ₇ ClN ₂ S
Molecular Weight:	357.99
Target:	Dopamine Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Neuronal Signaling; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pergolide-d ₇ hydrochloride is deuterated labeled Pergolide (HY-13720). Pergolide (LY127809 (free base)) is an ergot-derived orally active dopamine receptor agonist. Pergolide can be used for Parkinson disease research ^[1] .
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Van Camp G, et al. Treatment of Parkinson's disease with pergolide and relation to restrictive valvular heart disease. *Lancet*. 2004 Apr 10;363(9416):1179-83.
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.

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

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