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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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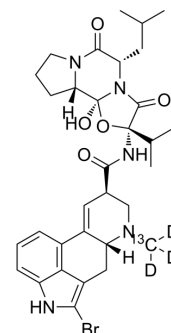
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Bromocriptine-¹³C,₃D₃

Cat. No.:	HY-12705S
Molecular Formula:	C ₃₁ ¹³ CH ₃₇ D ₃ BrN ₅ O ₅
Molecular Weight:	658.61
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	Bromocriptine- ¹³ C, ₃ D ₃ is the ¹³ C- and deuterium labeled Bromocriptine. Bromocriptine is a potent dopamine D ₂ /D ₃ receptor agonist, which binds D ₂ dopamine receptor with pK _i of 8.05±0.2.	
IC₅₀ & Target	D ₂ Receptor	D ₃ Receptor
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 ^[33] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

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- [4]. Renodon A, et al. Bromocriptine is a strong inhibitor of brain nitric oxide synthase: possible consequences for the origin of its therapeutic effects. FEBS Lett. 1997 Apr 7;406(1-2):33-6.
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Caution: Product has not been fully validated for medical applications. For research use only.

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