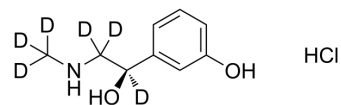


Phenylephrine-d₆ hydrochloride

Cat. No.:	HY-B0471S3
CAS No.:	1089675-56-8
Molecular Formula:	C ₉ H ₈ D ₆ ClNO ₂
Molecular Weight:	209.7
Target:	Adrenergic Receptor; Endogenous Metabolite; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Neuronal Signaling; Metabolic Enzyme/Protease; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Phenylephrine-d ₆ (hydrochloride) is deuterium labeled Phenylephrine (hydrochloride). (R)-(-)-Phenylephrine hydrochloride is a selective α ₁ -adrenoceptor agonist with pK _i s of 5.86, 4.87 and 4.70 for α _{1D} , α _{1B} and α _{1A} receptors respectively.
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

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

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