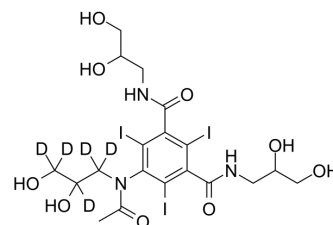


Iohexol-d₅

Cat. No.:	HY-B0594S		
CAS No.:	928623-33-0		
Molecular Formula:	C ₁₉ H ₂₁ D ₅ I ₃ N ₃ O ₉		
Molecular Weight:	826.17		
Target:	Autophagy; Mitophagy; Isotope-Labeled Compounds		
Pathway:	Autophagy; Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Iohexol-d₅ is deuterium labeled Iohexol. Iohexol is a radiographic contrast agent and can be applied for myelography, computerized tomography (cisternography, ventriculography) and MicroCT imaging in vivo^[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]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. James F Hainfeld, et al. Small, Long Blood Half-Life Iodine Nanoparticle for Vascular and Tumor Imaging. *Sci Rep*

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

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