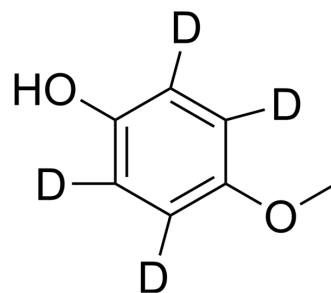


## Mequinol-d4

Cat. No.:	HY-30270S
CAS No.:	126840-02-6
Molecular Formula:	C <sub>7</sub> H <sub>4</sub> D <sub>4</sub> O <sub>2</sub>
Molecular Weight:	128.16
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Mequinol-d <sub>4</sub> is the deuterium labeled Mequinol[1]. Mequinol (4-Methoxyphenol) is one of bioactive components in Mercurialis. Mequinol is used for skin depigmentation[2].
<b>In Vitro</b>	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 <sup>[1]</sup> . 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 Feb;53(2):211-216.
- [2]. Callender VD, et al. Postinflammatory hyperpigmentation: etiologic and therapeutic considerations. *Am J Clin Dermatol*. 2011 Apr 1;12(2):87-99.

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

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