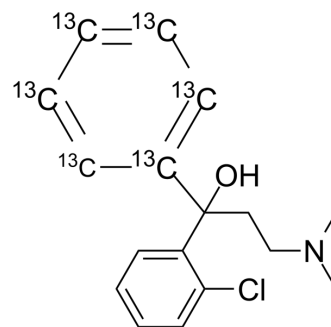


## Chlophedianol-<sup>13</sup>C<sub>6</sub>

Cat. No.:	HY-A0161S
Molecular Formula:	C <sub>11</sub> <sup>13</sup> C <sub>6</sub> H <sub>15</sub> ClNO
Molecular Weight:	290.72
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Chlophedianol- <sup>13</sup> C <sub>6</sub> is the <sup>13</sup> C labeled <a href="#">Chlophedianol</a> (HY-A0161). Chlophedianol is an orally active and potent antitussive agent. Chlophedianol can be used for the research of acute cough due to upper respiratory tract infections (URIs)[1][2][3].
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 <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]. Boyd EM, et al. Chlophedianol Hydrochloride: A New Antitussive Agent. Can Med Assoc J. 1960 Dec 17;83(25):1298-301.
- [3]. Paul IM. Therapeutic options for acute cough due to upper respiratory infections in children. Lung. 2012 Feb;190(1):41-4.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA