

Screening Libraries

Proteins

Debutyldronedarone-d₇

Cat. No.: HY-12753S Molecular Formula: $C_{27}H_{29}D_7N_2O_5S$

Molecular Weight: 507.69

Drug Metabolite; Isotope-Labeled Compounds Target:

Metabolic Enzyme/Protease; Others Pathway:

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

Product Data Sheet

BIOLOGICAL ACTIVITY

Description

Debutyldronedarone-d₇ is deuterium labeled Debutyldronedarone. Debutyldronedarone is a major circulating active metabolite of dronedarone (HY-A0016) in humans. Debutyldronedarone exhibits a potency that is 1/10 to 1/3 of that of the parent agent[1][2].

REFERENCES

[1]. Cen Xie, et al. Simultaneous determination of dronedarone and its active metabolite debutyldronedarone in human plasma by liquid chromatography-tandem mass spectrometry: application to a pharmacokinetic study. J Chromatogr B Analyt Technol Biomed Life Sci

[2]. Marina Santos, et al. Synthesis and characterization of new related substances of the antiarrhythmic drug dronedarone hydrochloride. J Pharm Biomed Anal. 2015 Oct 10;114:441-6.

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

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