

Product Data Sheet

Product Name: rac-N-desmethyl Ivabradine-d₆ (hydrochloride)

Cat. No.: GC49291

Chemical Properties

Cas. No. 2804269-05-2

SMILES COC1=CC(CCN2C([2H])([2H])C([2H])([2H])C([2H])([2H])NC[C@@H]3C4=CC(OC)=C(C=C4C3)OC)=C(CC2=O)C=C1OC.Cl

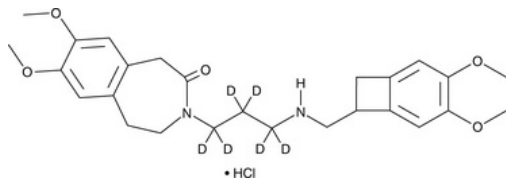
Formula C₂₆H₂₈D₆N₂O₅·HCl M.Wt 497.1

Solubility Methanol: soluble Storage -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

rac-N-desmethyl Ivabradine-d₆ is intended for use as an internal standard for the quantification of N-desmethyl ivabradine by GC- or LC-MS. N-desmethyl Ivabradine is an active metabolite of ivabradine.¹ Ivabradine is metabolized by the cytochrome P450 (CYP) isoform CYP3A4.

1. Rosa, G.M., Ferrero, S., Ghione, P., et al. An evaluation of the pharmacokinetics and pharmacodynamics of ivabradine for the treatment of heart failure. *Expert Opin. Drug Metab. Toxicol.* 10(2)279-291 (2014)

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

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