

Product Data Sheet

Product Name: Manogepix-d 4

Cat. No.: GC79855

Chemical Properties

Cas. No.

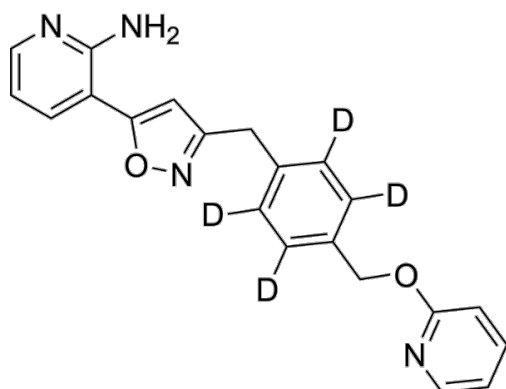
Formula $C_{21}H_{14}D_4N_4O_2$ M.Wt 362.42

Solubility Storage Store at -20°C, protect from light

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

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

Structure



Background

Manogepix -d 4 (E1210-d 4) is the deuterium labeled Manogepix. Manogepix (E1210) is a first-in-class, broad-spectrum and orally active antifungal. Manogepix has a mechanism of action-inhibition of fungal glycosylphosphatidylinositol (GPI) biosynthesis [1] [2].

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.

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

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References:

- [1]. Watanabe NA, et al. E1210, a new broad-spectrum antifungal, suppresses *Candida albicans* hyphal growth through inhibition of glycosylphosphatidylinositol biosynthesis. *Antimicrob Agents Chemother.* 2012 Feb;56(2):960-71.
- [2]. Hata K, et al. Efficacy of oral E1210, a new broad-spectrum antifungal with a novel mechanism of action, in murine models of candidiasis, aspergillosis, and fusariosis. *Antimicrob Agents Chemother.* 2011 Oct;55(10):4543-51.

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