
Product Data Sheet

Product Name: Sertindole-d4

Cat. No.: GC63432

Chemical Properties

Cas. No. 1794737-42-0

Formula C₂₄H₂₂D₄ClFN₄O

M.Wt

444.97

Solubility

Storage

Store at -20°C

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

Sertindole-d4 (Lu 23-174-d4) is the deuterium labeled Sertindole. Sertindole, a neuroleptic, is one of the newer antipsychotic medications available[1][2].

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[1].

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.

[2]. Juruena, M.F., E.P. de Sena, and I.R. de Oliveira, Sertindole in the management of schizophrenia. *J Cent Nerv Syst Dis*, 2011. 3: p. 75-85.

[3]. Kane, J.M. and C.A. Tamminga, Sertindole (Serdolect): preclinical and clinical findings of a new atypical antipsychotic. *Expert Opin Investig Drugs*, 1997. 6(11): p. 1729-41.

[4]. Murdoch, D. and G.M. Keating, Sertindole : a review of its use in schizophrenia. *CNS Drugs*, 2006. 20(3): p. 233-55.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA