

Product Data Sheet

Product Name: Hexazinone-d6

Cat. No.: GC71710

Chemical Properties

Cas. No. 1219804-22-4

Formula $C_{12}H_{14}D_6N_4O_2$

M.Wt 258.35

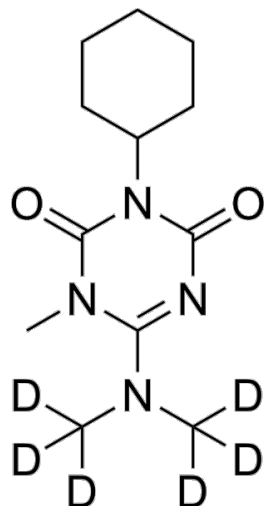
Solubility

Storage 4°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

Hexazinone-d6 is the deuterium labeled Hexazinone[1]. Hexazinone is a nonselective herbicide from the triazine family. Hexazinone binds to the D-1 quinone protein of the electron transport chain in photosystem II to inhibit the photosynthesis[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].

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

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References:

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

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