

Product Data Sheet

Product Name: 4-Fluorobenzaldehyde-2, 3, 5, 6-d4

Cat. No.: GF25061

Chemical Properties

Cas. No. 93111-27-4

Formula C7HD4FO M.Wt 128.14

Solubility DMSO : 100 mg/mL (780.40 mM; Storage 2-8°C
Need ultrasonic)

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.

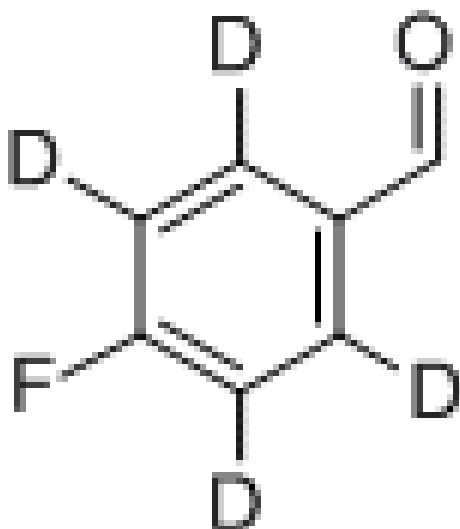
Caution: Product has not been fully validated for medical applications. For research use only.

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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Structure



Background

4-Fluorobenzaldehyde-2,3,5,6-d₄ is the deuterium labeled 4-Fluorobenzaldehyde-2,3,5,6-d₄[1].

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 Feb;53(2):211-216.

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