
Product Data Sheet

Product Name: Oseltamivir acid-d3

Cat. No.: GC63326

Chemical Properties

Cas. No. 1242184-43-5

Formula $C_{14}H_{21}D_3N_2O_4$

M.Wt 287.37

Solubility PBS (pH 7.2) : ≥ 10 mg/mL (34.80 mM); DMSO : ≥ 5 mg/mL (17.40 mM)

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**

Oseltamivir acid D3 (GS 4071 D3) is a deuterium labeled Oseltamivir acid. Oseltamivir acid, the active metabolite of Oseltamivir phosphate, is an orally bioavailable, potent and selective inhibitor of influenza virus neuraminidase (IC₅₀=2 nM) with activity against both influenza A and B viruses[1][2].

[1]. Li W, et al. Identification of GS 4104 as an orally bioavailable prodrug of the influenza virus neuraminidase inhibitor GS 4071. *Antimicrob Agents Chemother.* 1998 Mar;42(3):647-53.

[2]. Ghosh GC, et al. Oseltamivir carboxylate, the active metabolite of oseltamivir phosphate (Tamiflu), detected in sewage discharge and river water in Japan. *Environ Health Perspect.* 2010 Jan;118(1):103-7.

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