

Product Data Sheet

Product Name: Triamcinolone acetonide-d7

Cat. No.: GC90255

Chemical Properties

Cas. No.

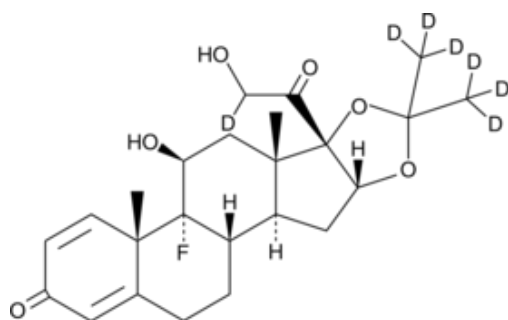
Formula $C_{24}H_{24}D_7FO_6$ M.Wt 441.5

Solubility Chloroform: Slightly Soluble, Methanol: Slightly Soluble
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

Triamcinolone acetonide-d7 is intended for use as an internal standard for the quantification of triamcinolone acetonide by GC- or LC-MS. Triamcinolone acetonide is a synthetic corticosteroid.¹ It decreases cytokine levels, the firing rate of sensory neurons, and mechanical hypersensitivity in a rat spinal nerve ligation model when used at a dose of 1.5 mg/kg prior to and following surgery for three days. Triamcinolone acetonide also decreases outflow facility in a mouse model of steroid-induced glaucoma when 20 µl of a 40 mg/ml suspension is administered subconjunctivally.² Formulations containing triamcinolone acetonide are used in the treatment of diabetic macular edema.

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

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