

Product Data Sheet

Product Name: Gadoteric acid
Cat. No.: GC67668

Chemical Properties

Cas. No. 72573-82-1

Formula $C_{16}H_{25}GdN_4O_8$

M.Wt 558.64

Solubility H_2O : 100 mg/mL (179.01 mM; ultrasonic and warming and heat to 60°C)

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

Gadoteric acid is a macrocyclic, paramagnetic, gadolinium-based contrast agent that can be used for magnetic resonance imaging (MRI) of the brain, spine, and related tissues. In particular, Gadoteric acid is able to detect and visualize areas of blood-brain barrier disruption and abnormal vascular distribution^{[1][2]}.

gadoteric acid DCE-MRI gadoteric acid [1]

[1]. Federico Colletini, et al. MR imaging of hepatocellular carcinoma: prospective intraindividual head-to-head comparison of the contrast agents gadoxetic acid and gadoteric acid. Sci Rep. 2022 Nov 3;12(1):18583.

[2]. Martin Maurer, et al. Tolerability and diagnostic value of gadoteric acid in the general population and in patients with risk factors: results in more than 84,000 patients. Eur J Radiol. 2012 May;81(5):885-90.

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