

Product Data Sheet

Product Name: Gadoxetate Disodium

Cat. No.: GC36100

Chemical Properties

Cas. No. 135326-22-6

SMILES O=C1[O-][Gd+3]([N]2(C1)CC3=O)([O-]3)([O-]C4=O)([O-]C5=O)([N]6(C5)C7)([N](C4)(C2)CC6CC8=CC=C(OCC)C=C8)[O-]C7=O.[Na+].[Na+]

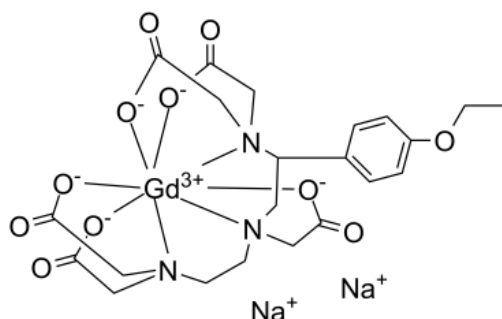
Formula $C_{23}H_{28}GdN_3Na_2O_{11}$ M.Wt 725.71

Solubility Water : 100mg/mL 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

Gadoxetate Disodium (Gd-EOB-DTPA Disodium) is a contrast agent in magnetic resonance imaging

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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(MRI) of the hepatobiliary system, which accumulates in normal, functioning hepatocytes. Gadoxetate Disodium (Gd-EOB-DTPA Disodium) is used to evaluate focal liver lesions, such as hepatocellular carcinoma or liver metastasis on T1-weighted imaging[1][2][3].

[1]. Schuhmann-Giampieri G, et al. Preclinical evaluation of Gd-EOB-DTPA as a contrast agent in MR imaging of the hepatobiliary system. Radiology. 1992 Apr;183(1):59-64. [2]. Katsube T, et al. Estimation of liver function using T1 mapping on Gd-EOB-DTPA-enhanced magnetic resonance imaging. Invest Radiol. 2011 Apr;46(4):277-83. [3]. Saito K, et al. Gd-EOB-DTPA enhanced MRI for hepatocellular carcinoma: quantitative evaluation of tumor enhancement in hepatobiliary phase. Magn Reson Med Sci. 2005;4(1):1-9.

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