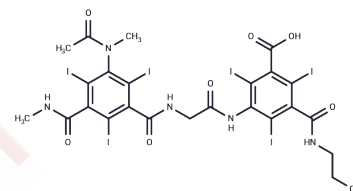


Ioxaglic acid

Chemical Properties

CAS No. :	59017-64-0
Formula:	C ₂₄ H ₂₁ I ₆ N ₅ O ₈
Molecular Weight:	1268.886
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ioxaglic acid (P-286), a negatively charged contrast agent, is used in computed tomography (CT) as an inverse indicator for glycosaminoglycan (GAG). This compound is valuable for imaging human osteoarthritic cartilage and enables the quantitative assessment of glycosaminoglycan content.
Targets(IC50)	Others
In vivo	Ioxaglic acid responds to the glycosaminoglycan (GAG) gradient present in cartilage, enabling the measurement of comparable GAG concentrations[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7881 mL	3.9405 mL	7.8809 mL
5 mM	0.1576 mL	0.7881 mL	1.5762 mL
10 mM	0.0788 mL	0.394 mL	0.7881 mL
50 mM	0.0158 mL	0.0788 mL	0.1576 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Gonsette RE, et, al. New contrast media in cerebral angiography: animal experiments and preliminary clinical studies. Invest Radiol. Nov-Dec 1980;15(6 Suppl):S270-4.

Baer K, et, al. Spectral CT imaging of human osteoarthritic cartilage via quantitative assessment of glycosaminoglycan content using multiple contrast agents. APL Bioeng. 2021 Apr 1;5(2):026101.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481