
Thiodigalactoside

产品编号: D52730

CAS: 51555-87-4

分子式: C₁₂H₂₂O₁₀S

纯度: 99.74%

InChi Key: InChIKey=SYKYBMOFPMXDRQ-ZFDCCPEWSA-N

Smiles: S([C@@H]1O[C@H](CO)[C@H](O)[C@H](O)[C@H]1O)[C@@H]2O[C@H](CO)[C@H](O)[C@H](O)[C@H]2O

外观: 固体粉末

作用通路: Immunology/Inflammation

作用靶点: Galectin

溶解性: H₂O: 90mg/mL (251.1mM; Need ultrasonic)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: Thiodigalactoside (TDG) is an orally active and potent galectin (GAL) inhibitor with K_d values of 24 μM, 49 μM for GAL1 and GAL3, respectively. Thiodigalactoside, a non-metabolizable disaccharide, has anti-inflammatory and anti-cancer activity. Thiodigalactoside dramatically reduces body weight gain in diet-induced obese rats.