

Product Data Sheet

Product Name: Methyl 2,3-O-Isopropylidene-β-D-ribofuranoside

Cat. No.: GC62051

Chemical Properties

Cas. No. 4099-85-8

SMILES OC[C@@H](O1)[C@@H](O2)[C@@H](OC2(C)C)[C@@H]1OC

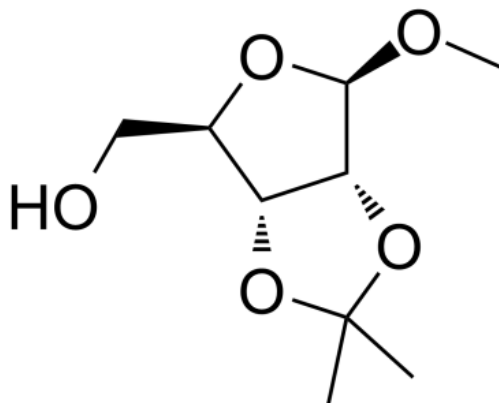
Formula $C_9H_{16}O_5$ M.Wt 204.22

Solubility DMSO : 100 mg/mL (489.67 mM; Need ultrasonic) Storage 4°C, protect from light, stored under nitrogen

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

Methyl 2,3-O-Isopropylidene-β-D-ribofuranoside, obtained from D-ribose, is an intermediate for the synthesis of riboside-containing arsenic compound[1].

[1]. Gyepes, A., et al. Synthesis and chromatographic study of methyl-2,3-O-isopropylidene-5-

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

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dimethyl-arsinoyl- β -d-ribofuranoside and methyl-2,3-O-isopropylidene-5-deoxy-5-dimethyl-thioarsinoyl- β -d-ribofuranoside. Polyhedron, 27(12), 2655-2661.

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