

Product Data Sheet

Product Name: 5-deoxy-D-Ribose

Cat. No.: GC46688

Chemical Properties

Cas. No. 13039-75-3

SMILES O=C[C@H](O)[C@H](O)[C@H](O)C

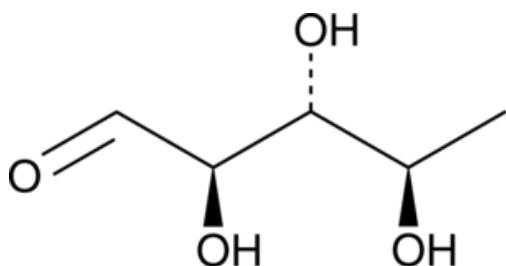
Formula C5H10O4 M.Wt 134.1

Solubility DMF: 15mg/mL, DMSO: 15mg/mL, Ethanol: 15mg/mL, PBS (pH 7.2): 5mg/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 sizes: ship with RT, or blue ice upon request.

Structure



Background

5-deoxy-D-Ribose is a building block that has been used in the synthesis of carcinolytic compounds.¹

1. Shunk, C.H., Lavigne, J.B., and Folkers, K. Studies on carcinolytic compounds. V. 6,7-Dimethyl-9-[1'-(5-deoxy-D-ribityl)]-isoalloxazine. J. Am. Chem. Soc. 77(8)2210-2212(1955)

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