

Product Data Sheet

Product Name: Vicine
Cat. No.: GC37904

Chemical Properties

Cas. No. 152-93-2

SMILES O=C1N=C(N)NC(N)=C1O[C@H]2[C@@H]([C@H]([C@@H]([C@@H](CO)O2)O)O)O

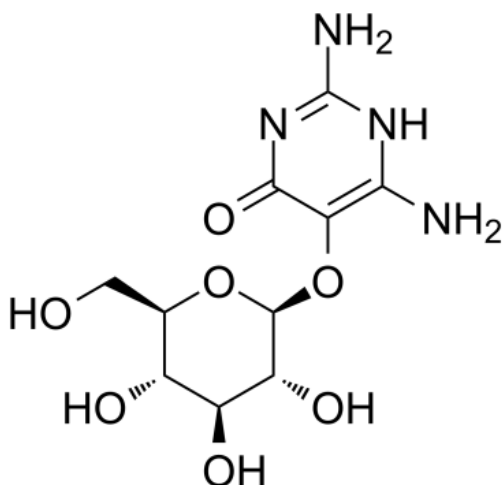
Formula $C_{10}H_{16}N_4O_7$ M.Wt 304.26

Solubility DMSO : 50 mg/mL (164.33 mM; Need ultrasonic) 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

Vicine, an alkaloid glycoside found mainly in fava beans, is toxic in individuals and may cause haemolytic anaemia[1].

[1]. Farran MT, et al. Vicine and convicine in common vetch (*Vicia sativa*) seeds enhance beta-cyanoalanine toxicity in male broiler chicks. *Int J Toxicol*. 2002 May-Jun;21(3):201-9.

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

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