Product Data Sheet

Product Name: 2-(2’,3’,4’-Trihydroxybutyl)quinoxaline
Cat. No.: GC62763

Chemical Properties

Cas. No.	42015-38-3		
Formula	$C_{12}H_{14}N_2O_3$	M.Wt	234.25
Solubility		Storage	
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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

2-(2’,3’,4’-Trihydroxybutyl)quinoxaline is a food metabolite. 2-(2’,3’,4’-Trihydroxybutyl)quinoxaline can be formed from homoglucans[1].

The 2-(2’,3’,4’-Trihydroxybutyl)quinoxaline (G-1) is formed from barley lichenan, and the approximate molar ratios of the 1,4- to 1,3-linkage in lichenan is estimated to be 2.2[1].From scleroglucan, 2-(2’,3’,4’-Trihydroxybutyl)quinoxaline (G-1) is produced, reflecting a 1,3- and branched 1,6-linkage in the glucan[1].

[1]. Naofumi Morita, et al. Gas-liquid chromatography and mass spectrometry of quinoxalines derived from various homoglucans by alkaline o-phenylenediamine method. Agric. Biol. Chem., 47 (4), 757-763, 1983.

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