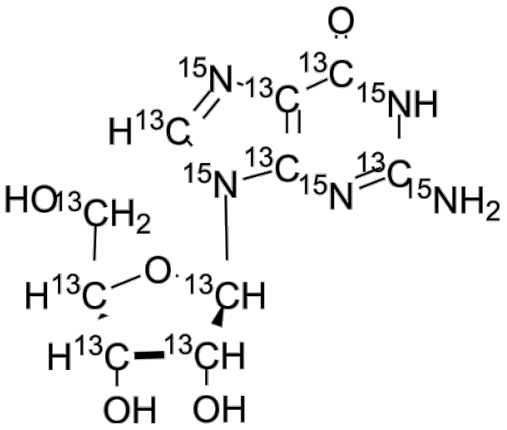
Product Data Sheet

Product Name: Guanosine-13C10,15N5
Cat. No.: GC74237

Chemical Properties

Cas. No.	202406-81-3		
Formula	$^{13}C_{10}H_{13}{}^{15}N_5O_5$	M.Wt	298.13
Solubility	H_2O : 1 mg/mL (3.35 mM; Need ultrasonic and warming)	Storage	-20°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

Guanosine-13C10,15N5 is the 13C and 15N labeled Guanosine . Guanosine (DL-Guanosine) is a purine nucleoside comprising guanine attached to a ribose (ribofuranose) ring via a β-N9-glycosidic bond. Guanosine possesses anti-HSV activity.

References:

[1]. De Clercq E. Guanosine analogues as anti-herpesvirus agents. Nucleosides Nucleotides Nucleic Acids. 2000 Oct-Dec;19(10-12):1531-41.

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

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