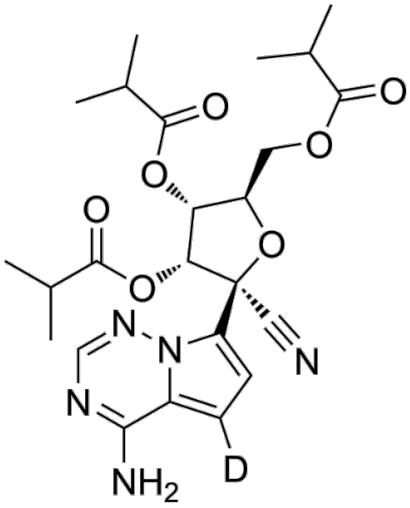
Product Data Sheet

Product Name: GS-621763-d1
Cat. No.: GC70910

Chemical Properties

Cas. No.	2647442-33-7		
Formula	$C_{24}H_{30}DN_5O_7$	M.Wt	502.54
Solubility	DMSO : 100 mg/mL (198.99 mM; Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)	Storage	-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

GS-621763-d1 is the deuterium labeled GS-621763 . GS-621763, an orally bioavailable proagent of GS-441524, shows antiviral activity against SARS-CoV-2 pathogenesis in mice.

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug

molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1].