Product Data Sheet

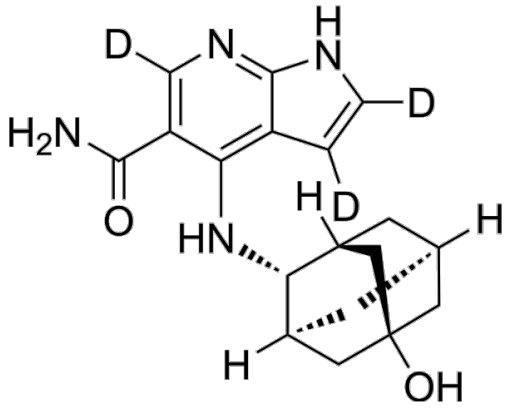
Product Name: Peficitinib-d 3
Cat. No.: GC80468

Chemical Properties

Cas. No.

Formula	$C_{18}H_{19}D_3N_4O_2$	M.Wt	329.41
Solubility		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

Peficitinib -d 3 (ASP015K-d 3) is the deuterium labeled Peficitinib. Peficitinib (ASP015K) is an orally active JAK inhibitor, with IC_{50} s of 3.9, 5.0, 0.7 and 4.8 nM for JAK1, JAK2, JAK3 and Tyk2, respectively [1].

In Vitro, 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.

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