Product Data Sheet

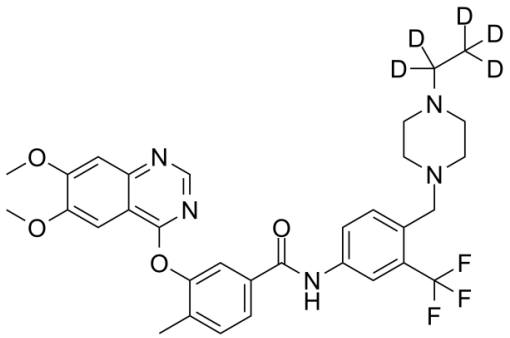
Product Name: TL02-59-d 5
Cat. No.: GC79875

Chemical Properties

Cas. No.

Formula	$C_{32}H_{29}D_5F_3N_5O_4$	M.Wt	614.67
Solubility	DMSO: 100 mg/mL (162.69 mM; Need ultrasonic)	Storage	Store at 4°C, protect from light
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

TL02-59 -d 5 is the deuterium labeled TL02-59. TL02-59 is an orally active, selective Src-family

kinase Fgr inhibitor with an ICC 50 of 0.03 nM. TL02-59 inhibits Lyn and Hck with ICC 50 s of 0.1 nM and 160 nM, respectively. TL02-59 potently suppresses acute myelogenous leukemia (AML) cell growth.

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.