Product Data Sheet

Product Name: TPN729MA
Cat. No.: GC70431

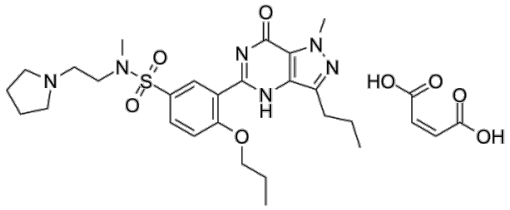
Chemical Properties

Cas. No.	1422955-52-9		
Formula	$C_{29}H_{40}N_6O_8S$	M.Wt	632.73
Solubility	DMSO : 25 mg/mL (39.51 mM; ultrasonic and warming and heat to 60°C; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)	Storage	4°C, sealed storage, away from moisture and 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



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Background

TPN729MA (TPN729 maleate) is a selective phosphodiesterase type 5 (PDE5) inhibitor with an IC50 value of 2.28 nM. TPN729MA affects erectile function and it can be used for the research of erectile dysfunction.

TPN729MA (1.25, 2.5 and 5.0 mg/kg; intraduodenal injection, once) increases intracavernous pressure/blood pressure (ICP/BP) with the dose of 5.0 mg/kg at all time points and with the dose of 2.5 mg/kg at 75, 90, 105, and 120 minutes time points[1].

TPN729MA (5.0 μg/kg, i.v., once) significantly increases ICP and ICP/BP of male Beagle dogs [1].