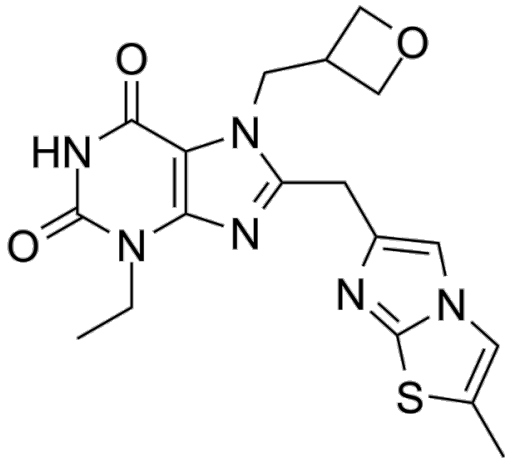
Product Data Sheet

Product Name: TPT-004
Cat. No.: GC73721

Chemical Properties

Cas. No.	3032648-15-7		
Formula	$C_{18}H_{20}N_6O_3S$	M.Wt	400.45
Solubility	DMSO : 125 mg/mL (312.15 mM; Need ultrasonic)	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

TPT-004 is a TPH inhibitor. TPT-004 has superior pharmacokinetic and pharmacodynamic properties. TPT-004 also has good efficacy in preclinical models of peripheral serotonin attenuation

and colorectal tumor growth.

References:

[1]. Specker E, et al. Structure-Based Design of Xanthine-Imidazopyridines and -Imidazothiazoles as Highly Potent and In Vivo Efficacious Tryptophan droxylase Inhibitors. J Med Chem. 2023 Oct 31.

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