Product Data Sheet

Product Name: TMX-4100
Cat. No.: GC63520

Chemical Properties

Cas. No.	2367619-63-2		
Formula	$C_{11}H_{10}N_4O_2S$	M.Wt	262.29
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	TMX-4100		

Background

TMX-4100 is a selective phosphodiesterase 6D (PDE6D) degrader. TMX-4100 shows a high degradation preference for PDE6D with the DC50 values less than 200 nM in MOLT4, Jurkat, and MM.1S cells. TMX-4100 can be used for the research of multiple myeloma[1].

TMX-4100 (compound 3; 1 μM; 4 h) shows a high degradation preference for PDE6D in MOLT4 cells[1].TMX-4100 has better proteome-wide degradation selectivity in MOLT4 cells, compare to PDE6D degrader FPFT-2216[1].TMX-4100 does not impede the growth of KRAS-dependent cell lines (MIA PaCa-2, NCI-H358, AGS, PA-TU-8988T cells)[1].

[1]. Teng M, et al. Development of PDE6D and CK1α Degraders through Chemical Derivatization of FPFT-2216. J Med Chem. 2022 Jan 13;65(1):747-756.

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