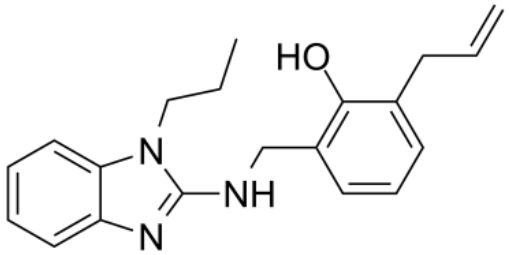
Product Data Sheet

Product Name: CM10
Cat. No.: GC39215

Chemical Properties

Cas. No.	692269-09-3		
SMILES	OC1=C(CNC2=NC3=CC=CC=C3N2CCC)C=CC=C1CC=C		
Formula	$C_{20}H_{23}N_3O$	M.Wt	321.42
Solubility	DMSO: 125 mg/mL (388.90 mM)	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

CM10 is a potent and selective aldehyde dehydrogenase 1A family inhibitor (ALDH1Ai), with IC50s of 1700, 740, and 640 nM for ALDH1A1, ALDH1A2, and ALDH1A3, respectively. CM10 does not inhibit any of the other ALDH family members. CM10 can regulate metabolism and has anti-cancer activity[1].

[1]. Chefetz I, et al. A Pan-ALDH1A Inhibitor Induces Necroptosis in Ovarian Cancer Stem-like Cells. Cell Rep. 2019 Mar 12;26(11):3061-3075.e6.

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