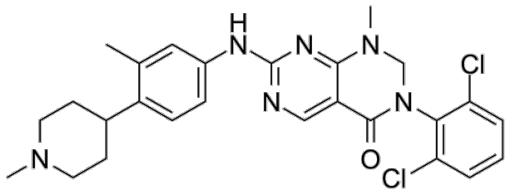
Product Data Sheet

Product Name: WEE1-IN-5
Cat. No.: GC65994

Chemical Properties

Cas. No.	2243882-74-6		
Formula	$C_{26}H_{28}Cl_2N_6O$	M.Wt	511.45
Solubility	DMSO : 125 mg/mL (244.40 mM; Need ultrasonic)	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

WEE1-IN-5 is a potent **WEE1** inhibitor with an **IC_{50}** value of 0.8 nM. WEE1-IN-5 inhibits phospho-CDC2. WEE1-IN-5 abrogates the G2 check point, increasing sensitivity to DNA damaging agents in cancer cells. WEE1-IN-5 can be used for researching anticancer[1].

Caution: Product has not been fully validated for medical applications. For research use only.
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WEE1-IN-5 exhibits an EC_{50} of 188 nM in pCDC2 and an IC_{50} shift for CYP3A4/5[1].

WEE1-IN-5 (5mg/kg for PO; 1 mg/kg for IV; single dosage) exhibits a CL of 14 mL/min/kg, an AUC_{int} 1324 h.ng/mL and bioavailability of 35% in SD rats[1].

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