产品名称：**CCT007093**
产品别名：**CCT007093**

生物活性：

Description

CCT007093 is an effective PPM1D inhibitor that selectively reduces viability of human tumour cell lines. IC50 value: Target: PPM1D As expected of a specific inhibitor, the toxicity of CCT007093 to PPM1D overexpressing cell lines after inhibitor treatment is P38 dependent [1]. Knockdown of WIP1 or treatment with the WIP1 inhibitor CCT007093 results in increased phosphorylation of known WIP1 targets, reduced HDM2 expression, and reduced growth specifically in WIP1 wild-type and high-expressing medulloblastoma cells [2]. CCT007093 treatment appeared to promote apoptosis in breast cancer cells and skin transformed keratinocytes that ectopically expressed Wip1, demonstrating that the effect of CCT007093 differs based on the level of Wip1 expression [3].

Solvent&Solubility

In Vitro:

DMF : 3.33 mg/mL (**12.23 mM;** Need ultrasonic)

DMSO : ≥ 2.8 mg/mL (**10.28 mM**)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.6712 mL	18.3560 mL	36.7121 mL
	5 mM	0.7342 mL	3.6712 mL	7.3424 mL
	10 mM	0.3671 mL	1.8356 mL	3.6712 mL

*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。

以 1 mL 工作液为例，

References

[1]. Rayter S, et al. A chemical inhibitor of PPM1D that selectively kills cells overexpressing PPM1D. Oncogene. 2008 Feb 14;27(8):1036-44.

[2]. Buss MC, et al. HDM2 promotes WIP1-mediated medulloblastoma growth. Neuro Oncol. 2012 Apr;14(4):440-58.

[3]. Lee JS, et al. Off-target response of a Wip1 chemical inhibitor in skin keratinocytes. J Dermatol Sci. 2014 Feb;73(2):125-34.