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产品名称：7-[苄基(甲基)氨基]-2-氧代-2H-苯并吡喃-3-羧酸
产品别名：7ACC2

生物活性：

Description

7ACC2 is a new potent MCT inhibitor with IC50 of 11 nM for inhibition of [14C]-lactate influx; new antitumor treatment targeting lactate transport in cancer cells. IC50 value: 11 nM ([14C]-lactate influx) [1] Target: MCT inhibitor; lactate transport inhibitor 7ACC2 did not influence the prothrombin time which, together with a good in vitro ADME profile, supports the potential of this new family of compounds to act as anticancer drugs through inhibition of lactate flux.

Solvent&Solubility

In Vitro:

DMSO : ≥ 46 mg/mL (148.71 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.2329 mL	16.1645 mL	32.3290 mL
5 mM	0.6466 mL	3.2329 mL	6.4658 mL
10 mM	0.3233 mL	1.6164 mL	3.2329 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]. Draoui N, et al. Synthesis and pharmacological evaluation of carboxycoumarins as a new antitumor treatment targeting lactate transport in cancer cells. Bioorg Med Chem. 2013 Nov 15;21(22):7107-17.