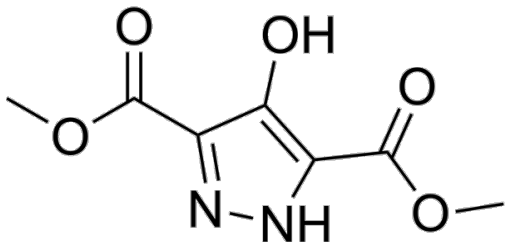
Product Data Sheet

Product Name: KDM4C-IN-2
Cat. No.: GC79157

Chemical Properties

Cas. No.	23705-85-3		
Formula	$C_7H_8N_2O_5$	M.Wt	200.15
Solubility		Storage	Store at 4°C, stored under nitrogen
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

KDM4C-IN-2 is a histone lysine demethylase KDM4C (JMJD2C) inhibitor with an IC_{50} of 147 μM and a K i of 51 μM. KDM4C-IN-2 can be used for the research of cancer, such as prostate and breast cancer [1].

In Vitro, KDM4C-IN-2 (Compound 2) (0.01-500 μM) shows no inhibitory effect on FDH [1].

References:
[1]. Leurs U, et al. Inhibitor scaffold for the histone lysine demethylase KDM4C (JMJD2C). Bioorg

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Med Chem Lett. 2012 Sep 15;22(18):5811-3.