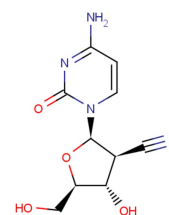


## Data Sheet (Cat.No.T13621L)

CNDAC

### Chemical Properties

CAS No.:	135598-68-4
Formula:	C10H12N4O4
Molecular Weight:	252.23
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	CNDAC, a nucleoside analog, is a major metabolite of oral drug sapacitabine.
Targets(IC <sub>50</sub> )	Others: None

### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.965 mL	19.823 mL	39.646 mL
5 mM	0.793 mL	3.965 mL	7.929 mL
10 mM	0.396 mL	1.982 mL	3.965 mL
50 mM	0.079 mL	0.396 mL	0.793 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

- Liu XJ, et al. Sapacitabine, the prodrug of CNDAC, is a nucleoside analog with a unique action mechanism of inducing DNA strand breaks. *hin J Cancer*. 2012 Aug;31(8):373-80.
- Jagan S, et al. Bone Marrow and Peripheral Blood AML Cells Are Highly Sensitive to CNDAC, the Active Form of Sapacitabine. *Adv Hematol*. 2012;2012:727683.
- Liu X, et al. Homologous recombination as a resistance mechanism to replication-induced double-strand breaks caused by the antileukemia agent CNDAC. *Blood*. 2010 Sep 9;116(10):1737-46.

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