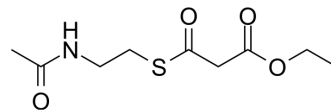


malonyl-NAC

Cat. No.:	HY-157395
CAS No.:	2361327-06-0
Molecular Formula:	C ₉ H ₁₅ NO ₄ S
Molecular Weight:	233.28
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (10.72 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (10.72 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

malonyl-NAC increases cellular propylation, resulting in reduced endogenous GAPDH activity. malonyl-NAC increases GAPDH malonylation in cells and inhibits pyruvate kinase activity. In addition, malonyl-NAC limits the metabolism and proliferation of a highly glycolytic kidney cancer cell line harboring a tricarboxylic acid cycle mutation^[1].

REFERENCES

[1]. Kulkarni RA, et al. Discovering Targets of Non-enzymatic Acylation by Thioester Reactivity Profiling. Cell Chem Biol. 2017 Feb 16;24(2):231-242.

Caution: Product has not been fully validated for medical applications. For research use only.

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