

CPT2

Chemical Properties

CAS No. : 1670277-66-3

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Carnitine palmitoyltransferase 2 (CPT2), an enzyme involved in fatty acid oxidation, serves as a prognostic biomarker for colorectal cancer (CRC). Overexpression of CPT2 activates phosphorylated p53, enhancing its expression, which in turn suppresses tumor growth and induces apoptosis. Conversely, a deficiency in CPT2 leads to the prevalent hereditary disorder of long-chain fatty acid oxidation in skeletal muscle. Additionally, the downregulation of CPT2 correlates strongly with the advancement of multiple cancers, highlighting its importance in cancer research [1] [2].
Targets(IC50)	Apoptosis,MDM-2/p53

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