

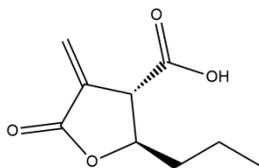
Butyrolactone 3

6/19

ALTERNATE NAME: *re*-tetrahydro-4-methylene-5-oxo-2R-propyl-3S-furancarboxylic acid

CATALOG #: B2817-1 1 mg
B2817-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₉H₁₂O₄

MOLECULAR WEIGHT: 184.19

CAS NUMBER: 778649-18-6

APPEARANCE: Crystalline solid

PURITY: ≥95%

SOLUBILITY: ~14 mg/ml in ethanol and DMSO
~2 mg/ml in PBS, pH 7.2

DESCRIPTION: Butyrolactone 3 is an inhibitor of histone acetyltransferase (HAT) Gcn5. Gcn5 acetylates histones H2B and H3. Butyrolactone 3 inhibits Gcn5 with an IC₅₀ value of 100 μM. It has an affinity to the Gcn5 enzyme similar to its substrate, histone H3. It inhibits pre-mRNA splicing with an IC₅₀ of 0.5 mM.

STORAGE TEMPERATURE: -20°C. Store under desiccating conditions.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Anacardic Acid (Cat. No. 1849)
C646, p300/CBP Inhibitor (Cat. No. 1948)
Curcumin, Curcuma longa (High Purity) (Cat. No. 1850)
Garcinol (Cat. No. 2088)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***