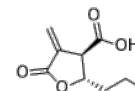


Product Name : Butyrolactone 3
Cat. No. : PC-26970
CAS No. : 778649-18-6
Molecular Formula : C₉H₁₂O₄
Molecular Weight : 184.19
Target : Histone Acetyltransferase (HAT)
Solubility : 10 mM in DMSO



Biological Activity

Butyrolactone 3 (MB-3) is a specific, cell-permeable small-molecule inhibitor of histone acetyltransferase GCN5 with IC₅₀ of 100 μ M.

Butyrolactone 3 (MB-3) shows high affinity to the Gcn5 enzyme comparable to that of its natural substrate, histone H3.

Butyrolactone 3 (MB-3) decreased E2A-PBX1 acetylation and E2A-PBX1 protein levels in leukemic cells.

Butyrolactone 3 (MB-3) also is a chemical inhibitor of the histone acetyltransferase in Arabidopsis.

References

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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