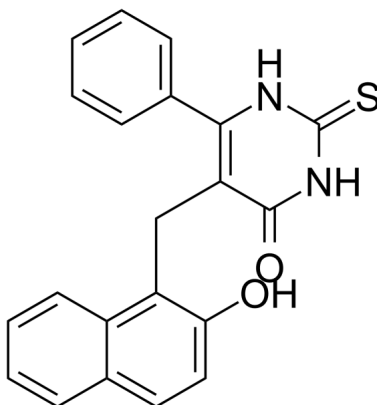


Data Sheet

Product Information

| | |
|--------------------------|--|
| Catalog Number | BP10559 |
| Product Name | Cambinol |
| Description | Cambinol is a cell-permeable b-naphthol compound that inhibits the NAD-dependent deacetylase activity of SIRT1/2 (IC ₅₀ : 56/59 μ M, respectively) in a substrate-, but not NAD-, competitive manner. Cambinol inhibits SIRT5 deacetylase activity only at much higher concentrations (IC ₅₀ >300 μ M) and no inhibitory for the class I and II HDACs. In BCL6-expressing Burkitt lymphoma cell lines, Cambinol-induced apoptosis has been attributed to the hyperacetylation of p53 and BCL6. Cambinol is a potent brain penetrant neutral sphingomyelinase (N-SMase) inhibitor (exosome inhibitor) |
| Targets&IC ₅₀ | SIRT1: 56 μ M, SIRT2: 59 μ M |
| Synonyms | SIRT1/2 Inhibitor IV, NSC 112546 |
| CAS No. | 14513-15-6 |
| Chemical Formula | C ₂₁ H ₁₆ N ₂ O ₂ S |
| Molecular Weight | 360.43 |
| Solubility | Ethanol: 5 mg/mL DMSO: 10 mg/mL |
| Storage | Powder: -20°C for 2 years In solvent: -80°C for 1 year |

Chemical Structure
OR
Tested Image



Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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