

Product ID S3470 CAS No. 410536-97-9 Chemical Name Sirtinol

Synonym

Formula C₂₆H₂₂N₂O₂ Formula Wt. 394.47 Melting Point Purity ≥98% Solubility Soluble in DMSO, 100% ethanol or dimethyl formamide.

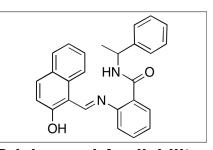
Store Temp 4°C

Ship Temp Ambient



Phone: 888-558-5227

Product Information



Pricing and Availability Bulk quanitites available upon request

| rice |
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| 0 |
| 90 |
| 90 |
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Description Sirtinol is a sirtuin inhibitor and iron chelator that exhibits antiviral, anti-inflammatory, anticancer, and anti-angiogenic activities. In vivo, sirtinol induces apoptosis-like changes in platelets, decreasing platelet count. In vitro, this compound decreases levels of hepatitis A virus RNA by suppressing translation and replication. Sirtinol also induces apoptosis in lung cancer cells by increasing levels of ROS. In other cellular models, sirtinol disrupts oocyte polarity and actin cap formation, preventing meiosis. In mesenchymal stem cells, this compound decreases tube formation and cell migration. Additionally, sirtinol also increases nasal polyp development and epithelial-to-mesenchymal transition (EMT) in vitro and in vivo. In animal models, sirtinol decreases paw edema.

References Kanda T, Sasaki R, Nakamoto S, et al. The sirtuin inhibitor sirtinol inhibits hepatitis A virus (HAV) replication by inhibiting HAV internal ribosomal entry site activity. Biochem Biophys Res Commun. 2015 Oct 23;466(3):567-71. PMID: 26388050.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.