



LKT Laboratories, Inc.

## Tenovin-1

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### Product Information

Product ID T1852

CAS No. 380315-80-0

Chemical Name

Synonym

Formula  $C_{20}H_{23}N_3O_2S$

Formula Wt. 369.48

Melting Point

Purity  $\geq 98\%$

Solubility DMSO 74 mg/mL (200.28 mM)

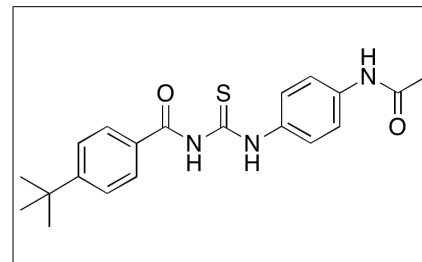
Water Insoluble

Ethanol Insoluble

Store Temp  $-20^{\circ}C$

Ship Temp Ambient

**Description** Tenovin-1 is an inhibitor of sirtuins 1 and 2 (SIRT1/2) that also indirectly activates p53; sirtuins are considered class III histone deacetylases (HDACs). Tenovin-1 exhibits anticancer potential, increasing FOXO3 and p53 expression and inducing apoptosis in cutaneous T-cell lymphoma cells.



**Bulk quantities available upon request**

Product ID	Size
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T1852	10 mg
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T1852	25 mg
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T1852	100 mg
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**References** Nihal M, Ahmad N, Wood GS. SIRT1 is upregulated in cutaneous T-cell lymphoma, and its inhibition induces growth arrest and apoptosis. *Cell Cycle*. 2014 Feb 15;13(4):632-40. PMID: 24343700.

Lain S, Hollick JJ, Campbell J, et al. Discovery, in vivo activity, and mechanism of action of a small-molecule p53 activator. *Cancer Cell*. 2008 May;13(5):454-63. PMID: 18455128.

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