



LKT Laboratories, Inc.

Tenovin-1

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Product Information

Product ID T1852

CAS No. 380315-80-0

Chemical Name N-[(4-acetamidophenyl)carbamothioyl]-4-tert-butylbenzamide

Synonym N-[(4-acetamidophenyl)carbamothioyl]-4-tert-butylbenzamide

Formula C₂₀H₂₃N₃O₂S

Formula Wt. 369.48

Melting Point

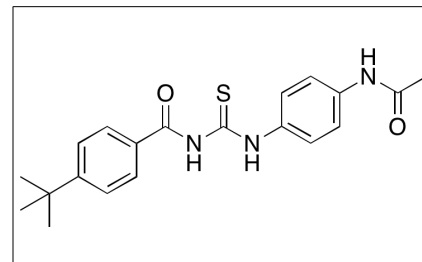
Purity ≥98%

Solubility DMSO 74 mg/mL (200.28 mM)
Water Insoluble
Ethanol Insoluble

Store Temp -20°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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T1852	10 mg	\$86.40
T1852	25 mg	\$172.80
T1852	100 mg	\$540.00

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.