



LKT Laboratories, Inc.

Pifithrin- α Hydrobromide

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Product Information

Product ID P327211

CAS No. 63208-82-2

Chemical Name

Synonym Pifithrin-alpha.HBr

Formula $C_{16}H_{18}N_2OS \cdot HBr$

Formula Wt. 367.31

Melting Point

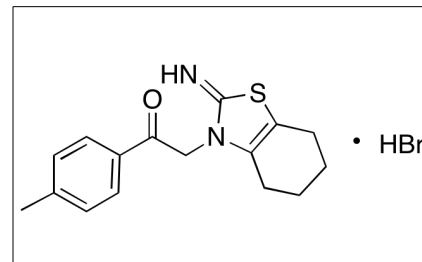
Purity $\geq 98\%$

Solubility Soluble in DMSO to 100 mM

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

Ship Temp Ambient

Description Pifithrin-alpha is a small molecule inhibitor of p53 shown to prevent neuronal death induced by DNA damage. Pifithrin-alpha has also been found to interfere in heat shock and glucocorticoid receptor signaling pathways. Both in vivo and in vitro pifithrin-alpha inhibited firefly luciferase activity.
TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

| Product ID | Size | List Price |
|------------|--------|------------|
| P327211 | 5 mg | \$55.10 |
| P327211 | 10 mg | \$88.20 |
| P327211 | 25 mg | \$209.50 |
| P327211 | 100 mg | \$578.90 |

References Komarova EA, Nenanov N, Komarov PG, et al. p53 inhibitor pifithrin alpha can suppress heat shock and glucocorticoid signaling pathways. J Biol Chem. 2003 May 2;278(18):15465-15468. PMID: 12637507.

Rocha S, Campbell KJ, Roche KC, et al. The p53-inhibitor pifithrin-alpha inhibits firefly luciferase activity in vivo and in vitro. BMC Mol Biol. 2003 Sep 11;4:9. PMID: 12967348.

Kanno S, Kurachi K, Tomizawa A, et al. Pifithrin-alpha has a p53-independent cytoprotective effect on docosahexaenoic acid-induced cytotoxicity in human hepatocellular carcinoma HepG2 cells. Toxicol Lett. 2015 Jan 22, 232(2):393-402. PMID: 25448278.

Murphy PJ, Galigniana MD, Morishima Y, et al. Pifithrin-alpha inhibits p53 signaling after interaction of the tumor suppressor protein with hsp90 and its nuclear translocation. J Biol Chem. 2004 Jul 16;279(29):30195-30201. PMID: 15145929.

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