



LKT Laboratories, Inc.

Tiplaxtinin

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Product Information

Product ID T3461

CAS No. 393105-53-8

Chemical Name

Synonym PAI-039

Formula $C_{24}H_{16}F_3NO_4$

Formula Wt. 439.39

Melting Point

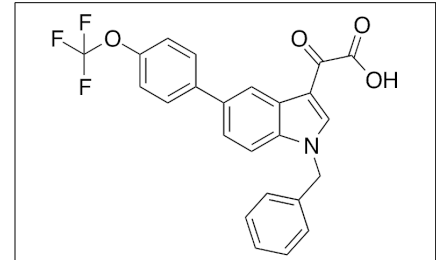
Purity $\geq 98\%$

Solubility DMSO 72 mg/mL
Ethanol 18 mg/mL
Water Insoluble

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

Ship Temp Ambient

Description Tiplaxtinin inhibits plasminogen activator inhibitor 1 (PAI-1), decreasing wound closure and collagen deposition. Tiplaxtinin exhibits anti-inflammatory, anti-fibrotic, anti-allergic, anti-angiogenic, and anticancer chemotherapeutic activities. Tiplaxtinin inhibits carotid artery neointimal formation and increases apoptosis in vascular smooth muscle cells. In models of bladder cancer, this compound inhibits angiogenesis, increases apoptosis, and decreases cell proliferation, cell adhesion, and tumor growth. Tiplaxtinin also decreases inflammation, collagen deposition, and airway hyperresponsiveness in animal models of OVA-induced pulmonary remodeling.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T3461	1 mg	\$49.70
T3461	5 mg	\$104.80
T3461	25 mg	\$330.80

References Simone TM, Longmate WM, Law BK, et al. Targeted Inhibition of PAI-1 Activity Impairs Epithelial Migration and Wound Closure Following Cutaneous Injury. *Adv Wound Care (New Rochelle)*. 2015 Jun 1;4(6):321-328. PMID: 26029482.

Simone TM, Higgins SP, Archambeault J, et al. A small molecule PAI-1 functional inhibitor attenuates neointimal hyperplasia and vascular smooth muscle cell survival by promoting PAI-1 cleavage. *Cell Signal*. 2015 May;27(5):923-33. PMID: 25617690.

Gomes-Giacoaia E, Miyake M, Goodison S, et al. Targeting plasminogen activator inhibitor-1 inhibits angiogenesis and tumor growth in a human cancer xenograft model. *Mol Cancer Ther*. 2013 Dec;12(12):2697-708. PMID: 24072883.

Lee SH, Eren M, Vaughan DE, et al. A plasminogen activator inhibitor-1 inhibitor reduces airway remodeling in a murine model of chronic asthma. *Am J Respir Cell Mol Biol*. 2012 Jun;46(6):842-6. PMID: 22323366.

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