



LKT Laboratories, Inc.

Statil

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Product Information

Product ID S7601

CAS No. 72702-95-5

Chemical Name

Synonym Ponalrestat

Formula $C_{17}H_{12}BrFN_2O_3$

Formula Wt. 391.19

Melting Point

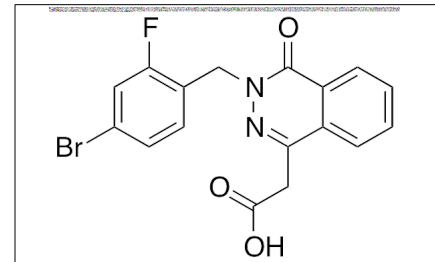
Purity $\geq 98\%$

Solubility Soluble in DMSO

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

Ship Temp Ambient

Description Statil inhibits aldose reductase and exhibits anticancer activity; it is primarily used to study aldose reductase function in vitro. In breast cancer and lung cancer cells, statil inhibits cell growth and proliferation and induces apoptosis. Statil also enhances adipose-derived stem adipocyte differentiation.



Bulk quantities available upon request

Product ID	Size
S7601	5 mg
S7601	25 mg

References Pastel E, Pointud JC, Loubeau G, et al. Aldose reductases influence prostaglandin F2 α levels and adipocyte differentiation in male mouse and human species. *Endocrinology*. 2015 May;156(5):1671-84. PMID: 25730106.

Cao Z, Zhou B, Chen X, et al. Statil suppresses cancer cell growth and proliferation by the inhibition of tumor marker AKR1B10. *Anticancer Drugs*. 2014 Sep;25(8):930-7. PMID: 24800887.

El-Kabbani O, Ramsland P, Darmanin C, et al. Structure of human aldose reductase holoenzyme in complex with statil: an approach to structure-based inhibitor design of the enzyme. *Proteins*. 2003 Feb 1;50(2):230-8. PMID: 12486717.

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