



LKT Laboratories, Inc.

AS-703026

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Product Information

Product ID A7203

CAS No. 1236699-92-5

Chemical Name

Synonym MSC1936369B, Pimasertib

Formula $C_{15}H_{15}FIN_3O_3$

Formula Wt. 431.20

Melting Point

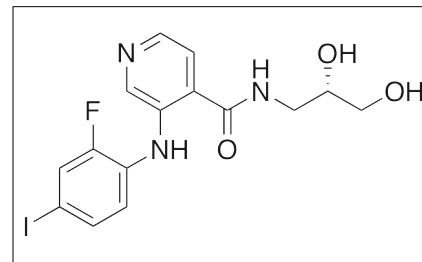
Purity $\geq 98\%$

Solubility DMSO 86 mg/mL (199.44 mM)
Water Insoluble
Ethanol Insoluble

Store Temp -20°C

Ship Temp Ambient

Description AS-703026, pimasertib, is an inhibitor of MEK1/2 that exhibits anticancer chemotherapeutic activity. In vitro, AS-703026 inhibits proliferation of melanoma cells. In both in vitro and in vivo models of colorectal cancer containing WT Ras or mutant KRAS, AS-703026 inhibits growth of cells and also of tumors. Additionally, AS-703026 inhibits growth and survival of multiple myeloma cells by inducing activation of caspase 3, cleavage of poly(ADP)-ribose polymerase (PARP), and apoptosis; this compound suppresses tumor growth and decreases microvessel numbers in animal models as well.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A7203	1 mg	\$75.00
A7203	5 mg	\$140.60
A7203	25 mg	\$264.50

References Park SJ, Hong SW, Moon JH, et al. The MEK1/2 inhibitor AS703026 circumvents resistance to the BRAF inhibitor PLX4032 in human malignant melanoma cells. *Am J Med Sci.* 2013 Dec;346(6):494-8. PMID: 24051957.

Yoon J, Koo KH, Choi KY. MEK1/2 inhibitors AS703026 and AZD6244 may be potential therapies for KRAS mutated colorectal cancer that is resistant to EGFR monoclonal antibody therapy. *Cancer Res.* 2011 Jan 15;71(2):445-53. PMID: 21118963.

Kim K, Kong SY, Fulciniti M, et al. Blockade of the MEK/ERK signalling cascade by AS703026, a novel selective MEK1/2 inhibitor, induces pleiotropic anti-myeloma activity in vitro and in vivo. *Br J Haematol.* 2010 May;149(4):537-49. PMID: 20331454.

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