



Product Information

Product ID T0142

CAS No. 1035555-63-5

Chemical Name 3-[(2R)-2,3-Dihydroxypropyl]-6-fluoro-5-[(2-fluoro-4-iodophenyl)amino]-8-methylpyrido[2,3-d]pyrimidine-4,7(3H,8H)-dione

Synonym TAK733

Formula C₁₇H₁₅F₂IN₄O₄

Formula Wt. 504.23

Melting Point

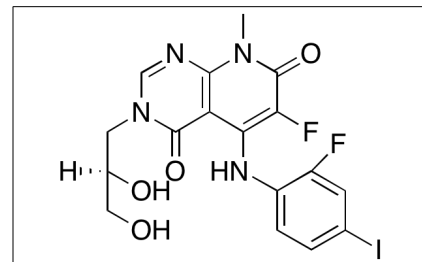
Purity ≥98%

Solubility 200mM in DMSO, insoluble in water and ethanol

Store Temp -20°C

Ship Temp Ambient

Description TAK-733 is an inhibitor of MEK that exhibits anticancer chemotherapeutic activity. In tumor explant models, TAK-733 induces tumor regression. In colorectal cancer cells and melanoma cells, this compound suppresses cell growth. Additionally, TAK-733 decreases tumor growth and weight in animal models of lung cancer and melanoma.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T0142	1 mg	\$107.20
T0142	5 mg	\$278.00
T0142	10 mg	\$495.80

References Lieu CH, Klauck PJ, Henthorn PK, et al. Antitumor activity of a potent MEK inhibitor, TAK-733, against colorectal cancer cell lines and patient derived xenografts. *Oncotarget*. 2015 Oct 27;6(33):34561-72. PMID: 26439693.

Ishino S, Miyake H, Vincent P, et al. Evaluation of the therapeutic efficacy of a MEK inhibitor (TAK-733) using ¹⁸F-fluorodeoxyglucose-positron emission tomography in the human lung xenograft model A549. *Ann Nucl Med*. 2015 Aug;29(7):613-20. PMID: 26014721.

Micel LN, Tentler JJ, Tan AC, et al. Antitumor activity of the MEK inhibitor TAK-733 against melanoma cell lines and patient-derived tumor explants. *Mol Cancer Ther*. 2015 Feb;14(2):317-25. PMID: 25376610.

von Euw E, Atefi M, Attar N, et al. Antitumor effects of the investigational selective MEK inhibitor TAK733 against cutaneous and uveal melanoma cell lines. *Mol Cancer*. 2012 Apr 19;11:22. PMID: 22515704.

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