



LKT Laboratories, Inc.

Flavopiridol Hydrochloride

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Product Information

Product ID F441026

CAS No. 131740-09-5

Chemical Name

Synonym Flavopiridol HCl; Alvocidib hydrochloride; Alvocidib HCl

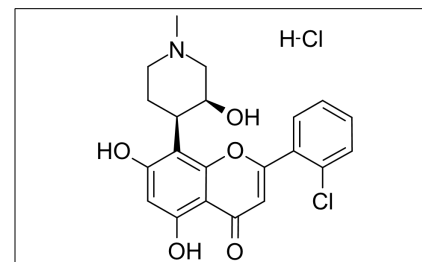
Formula $C_{21}H_{21}Cl_2NO_5$

Formula Wt. 438.30

Melting Point

Purity $\geq 98\%$

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
F441026	5 mg	\$127.20
F441026	25 mg	\$421.90

Store Temp 4°C

Ship Temp Ambient

Description Flavopiridol hydrochloride is a plant-derived semisynthetic flavone that acts as a cyclin-dependent kinase inhibitor. Flavopiridol was found to induce apoptosis in chronic lymphocytic leukemia cells in vitro, but significant toxicity has prevented further development as a single agent treatment. A combination treatment using cytarabine and mitoxantrone in addition to flavopiridol against acute myeloid leukemia in vivo has also been evaluated. Further studies have found flavopiridol to elicit anti-inflammatory activity via CDK9 and NFκB-dependent signaling.

References Wiernik PH. Alvocidib (flavopiridol) for the treatment of chronic lymphocytic leukemia. Expert Opin Investig Drugs. 2016 Jun;25(6):729-734. PMID: 26998706.

Zeidner JF, Karp JE. Clinical activity of alvociclib (flavopiridol) in acute myeloid leukemia. Leuk Res. 2015 Dec;39(12):1312-1318. PMID: 26521988.

Srikumar T, Padmanabhan J. Potential use of flavopiridol in treatment of chronic diseases. Adv Exp Med Biol. 2016;929:209-228. PMID: 27771926.

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