LKT Laboratories, Inc.

Selumetinib

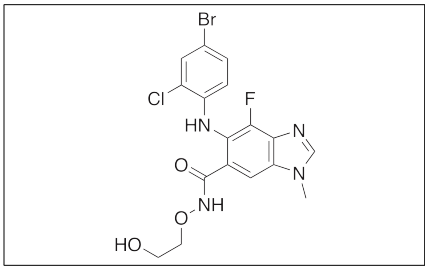
Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID S1846
CAS No. 606143-52-6
Chemical Name Selumetinib

Synonym AZD6244, ARRY 142886; 6-(4-bromo-2-chloroanilino)-7-fluoro-N-(2-hydroxyethoxy)-3-methylbenzimidazole-5-carboxamide

Formula $C_{17}H_{15}BrClFN_4O_3$
Formula Wt. 457.68
Melting Point
Purity ≥99%
Solubility



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
S1846	1 mg	$58.50
S1846	10 mg	$97.30
S1846	50 mg	$227.10

Store Temp Ambient
Ship Temp Ambient

Description Selumetinib is an orally bioavailable noncompetitive inhibitor of MEK1/2; it primarily displays immunosuppressive and anticancer chemotherapeutic activities. In cellular and animal models of cancer, selumetinib downregulates MAPK activation and mTOR phosphorylation and upregulates caspases 3 and 7, resulting in caspase-mediated apoptosis and inhibition of tumor growth. In an animal model of graft versus host disease (GVHD), selumetinib inhibits alloreactivity through inhibition of naïve and less-differentiated T cells. Additionally, this compound decreased serum creatine phosphokinase and aspartate aminotransferase to inhibit skeletal muscle pathology and increase muscle function in an animal model of muscular dystrophy.

References

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