



LKT Laboratories, Inc.

TM3-0089 Sodium Monohydrate

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Product Information

Product ID T4800

CAS No. 844639-57-2

Chemical Name

Synonym CAY10471

Formula $C_{21}H_{20}FN_2O_4SNa \cdot H_2O$

Formula Wt. 456.46

Melting Point

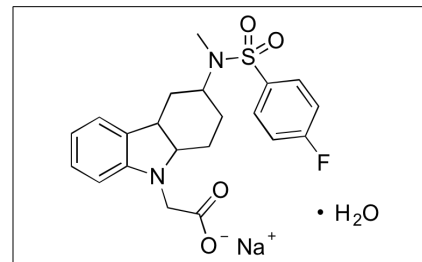
Purity $\geq 98\%$

Solubility

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

Ship Temp Ambient

Description TM3-0089 is an inhibitor of chemoattractant receptor-homologous molecule on Th2 cells (CRTH2), which inhibits prostaglandin activation of Th2 cells. TM3-0089 exhibits anti-allergic and anti-inflammatory activities. TM3-0089 prevents migration of Th2 lymphocytes, calcium influx, and adhesion of lymphocytes to vascular endothelial cells in vitro.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T4800	1 mg	\$133.80
T4800	5 mg	\$236.50
T4800	10 mg	\$363.10

References Xue L, Fergusson J, Salimi M, et al. Prostaglandin D2 and leukotriene E4 synergize to stimulate diverse TH2 functions and TH2 cell/neutrophil crosstalk. *J Allergy Clin Immunol.* 2014 Oct 19. [Epub ahead of print]. PMID: 25441644.

Schröder R, Xue L, Konya V, et al. PGH1, the precursor for the anti-inflammatory prostaglandins of the 1-series, is a potent activator of the pro-inflammatory receptor CRTH2/DP2. *PLoS One.* 2012;7(3):e33329. PMID: 22442685.

Uller L, Mathiesen JM, Alenmyr L, et al. Antagonism of the prostaglandin D2 receptor CRTH2 attenuates asthma pathology in mouse eosinophilic airway inflammation. *Respir Res.* 2007 Feb 28;8:16. PMID: 17328802.

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