



LKT Laboratories, Inc.

GW-788388

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

Product Information

Product ID G8800

CAS No. 452342-67-5

Chemical Name

Synonym GW788388, GW 788388

Formula $C_{25}H_{23}N_5O_2$

Formula Wt. 425.49

Melting Point

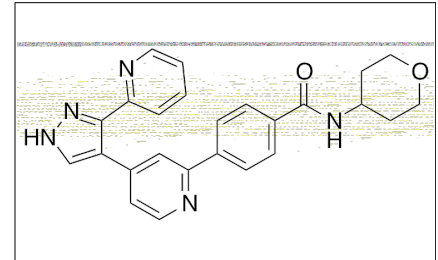
Purity $\geq 98\%$

Solubility DMSO Solubility:
15 mg/mL (35.25 mM)

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

Ship Temp Ambient

Description GW-788388 inhibits activin receptor-like kinase 5 (ALK5), suppressing TGF- β activity; it exhibits anti-fibrotic and cardioprotective activities. GW-788388 increases survival in studies of Trypanosoma infection and prevents Chagas disease-induced development of cardiac fibrosis. This compound also attenuates systolic dysfunction and left ventricular remodeling in animal models of myocardial infarction. In animal models of diabetes, GW-788388 decreases the occurrence of renal fibrosis.



Bulk quantities available upon request

Product ID	Size
G8800	1 mg
G8800	5 mg
G8800	25 mg

References de Oliveira FL, Araújo-Jorge TC, de Souza EM, et al. Oral administration of GW788388, an inhibitor of transforming growth factor beta signaling, prevents heart fibrosis in Chagas disease. *PLoS Negl Trop Dis.* 2012;6(6):e1696. PMID: 22720109.

Tan SM, Zhang Y, Connelly KA, et al. Targeted inhibition of activin receptor-like kinase 5 signaling attenuates cardiac dysfunction following myocardial infarction. *Am J Physiol Heart Circ Physiol.* 2010 May;298(5):H1415-25. PMID: 20154262.

Petersen M, Thorikay M, Deckers M, et al. Oral administration of GW788388, an inhibitor of TGF-beta type I and II receptor kinases, decreases renal fibrosis. *Kidney Int.* 2008 Mar;73(6):705-15. PMID: 18075500.

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