



Product Information

Product ID Y4802

CAS No. 371942-69-7

Chemical Name

Synonym

Formula $C_{25}H_{23}N_7O_3$

Formula Wt. 469.50

Melting Point

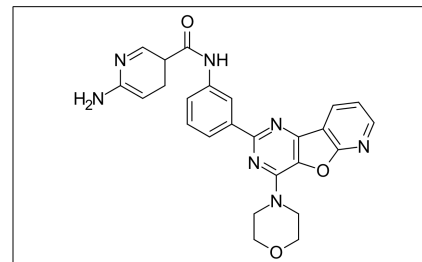
Purity $\geq 98\%$

Solubility DMSO 35 mg/mL (74.86 mM)
Water Insoluble
Ethanol Insoluble

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

Ship Temp Ambient

Description YM-201636 is an inhibitor of PIKfyve, decreasing the synthesis of phosphatidylinositol 3,5-disphosphate. YM-210636 decreases muscular contraction-stimulated glucose uptake in vitro and induces autophagy-dependent neuronal death in other cellular models. Additionally, YM-210636 inhibits endomembrane transport and retroviral budding in vitro.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
Y4802	1 mg	\$107.00
Y4802	5 mg	\$274.20
Y4802	10 mg	\$438.80

References Liu Y, Lai YC, Hill EV, et al. Phosphatidylinositol 3-phosphate 5-kinase (PIKfyve) is an AMPK target participating in contraction-stimulated glucose uptake in skeletal muscle. *Biochem J.* 2013 Oct 15;455(2):195-206. PMID: 23905686.

Martin S, Harper CB, May LM, et al. Inhibition of PIKfyve by YM-201636 dysregulates autophagy and leads to apoptosis-independent neuronal cell death. *PLoS One.* 2013;8(3):e60152. PMID: 23544129.

Jefferies HB, Cooke FT, Jat P, et al. A selective PIKfyve inhibitor blocks PtdIns(3,5)P(2) production and disrupts endomembrane transport and retroviral budding. *EMBO Rep.* 2008 Feb;9(2):164-70. PMID: 18188180.

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