



LKT Laboratories, Inc.

AS-605240

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

## Product Information

Product ID A7204

CAS No. 648450-29-7

**Chemical Name**

Synonym AS605240

Formula  $C_{12}H_7N_3O_2S$

Formula Wt. 257.27

**Melting Point**

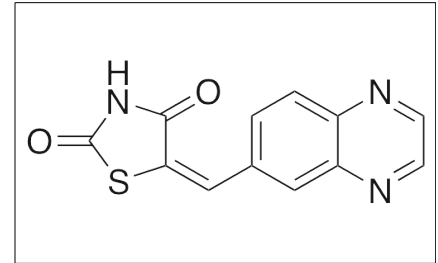
Purity  $\geq 98\%$

Solubility DMSO 0.4 mg/mL (1.55 mM)  
Water Insoluble  
Ethanol Insoluble

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

Ship Temp Ambient

**Description** AS-605240 is an inhibitor of p110 $\delta$  PI3K that exhibits anti-inflammatory, immunosuppressive, and anti-diabetic activities. In animal models, AS-605240 inhibits the development of or reverses the progression of experimental autoimmune encephalitis (EAE). AS-605240 also inhibits the development of acute lung injury pathology in animal models through increasing levels of ROS, VEGF, and cytokines and decreasing infiltration of dendritic cells and expression of toll-like receptor 4 (TLR4).



**Bulk quantities available upon request**

Product ID	Size
A7204	1 mg
A7204	5 mg
A7204	10 mg

**References** Comerford I, Litchfield W, Kara E, et al. PI3K $\gamma$  drives priming and survival of autoreactive CD4(+) T cells during experimental autoimmune encephalomyelitis. *PLoS One*. 2012;7(9):e45095. PMID: 23028778.

Azzi J, Moore RF, Elyaman W, et al. The novel therapeutic effect of phosphoinositide 3-kinase- $\gamma$  inhibitor AS605240 in autoimmune diabetes. *Diabetes*. 2012 Jun;61(6):1509-18. PMID: 22403300.

Kim DI, Kim SR, Kim HJ, et al. PI3K- $\gamma$  inhibition ameliorates acute lung injury through regulation of I $\kappa$ B $\alpha$ /NF- $\kappa$ B pathway and innate immune responses. *J Clin Immunol*. 2012 Apr;32(2):340-51. PMID: 22198681.

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