



LKT Laboratories, Inc.

URB602

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Product Information

Product ID U682042

CAS No. 565460-15-3

Chemical Name [1,1'-Biphenyl]-3-yl-carbamic acid cyclohexyl ester

Synonym

Formula $C_{19}H_{21}NO_2$

Formula Wt. 295.38

Melting Point

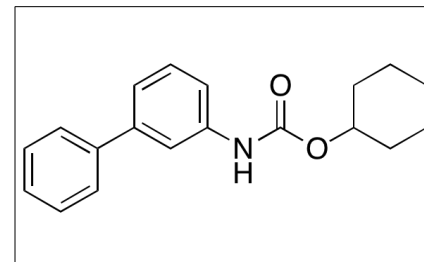
Purity $\geq 98\%$

Solubility DMSO (>10 mg/mL)

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

Ship Temp Ambient

Description URB602 is a monoacylglycerol lipase (MAGL) inhibitor. By inhibiting MAGL, it increases the amount of 2-arachidonyl glycerol, which is a natural substrate for the cannabinoid receptors. URB602 shows anti-inflammatory properties in mice models, as well as anti-nociceptive properties. It also demonstrates neuroprotective effects in 7-day old rat pups. Pretreatment with URB602 lessened the effect of hypoxia-ischemic brain damage in rat pup models.



Bulk quantities available upon request

Product ID Size

U682042 5 mg

U682042 25 mg

U682042 100 mg

References Carloni S, Alonso-Alconada D, Girelli S et al. Pretreatment with the monoacylglycerol lipase inhibitor URB602 protects from the long-term consequences of neonatal hypoxic-ischemic brain injury in rats. *Pediatr Res.* 2012 Oct;72(4):400-6 PMID: 22821058.

King AR, Duranti A, Totini A et al. URB602 inhibits monoacylglycerol lipase and selectively blocks 2-arachidonylglycerol degradation in intact brain slices. *Chem Biol.* 2007 Dec;14(12):1357-65. PMID:18096504.

Comelli F, Giagnoni G, Bettoni I et al. The inhibition of monoacylglycerol lipase by URB602 showed an anti-inflammatory and anti-nociceptive effect in a murine model of acute inflammation. *Br J Pharmacol.* 2007 Nov;152(5):787-94. PMID:17700715.

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