LKT Laboratories, Inc.

URB597

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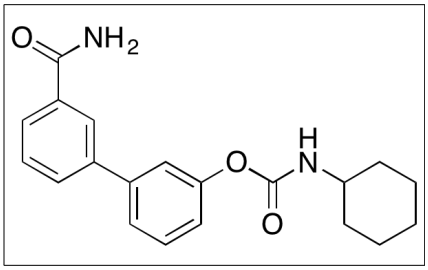
Product Information

Product ID U682040
CAS No. 546141-08-6
Chemical Name Cyclohexylcarbamic acid 3´-carbamoyl-biphenyl-3-yl ester

Synonym

Formula $C_{20}H_{22}N_2O_3$
Formula Wt. 338.41
Melting Point
Purity ≥98%
Solubility 50mM in DMSO



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
U682040	5 mg	$42.00
U682040	25 mg	$141.80
U682040	100 mg	$414.80

Store Temp -20˚C
Ship Temp Ambient

Description URB597 is an inhibitor of fatty acid amide hydrolase (FAAH). FAAH inhibition leads to an increase of anandamide, a naturally occurring substrate for the cannabinoid receptors. Increase in anandamide and activation of the CB receptors decreases sensitivity to pain in rat models. Additionally, URB597 also decreases the amount of tyrosine hydrolase in neurons in a CB receptor/FAAH independent manner. URB597 also demonstrates an anti-neuroinflammatory effect in Sprague-Dawley rat models. URB597 shows analgesic effects in numerous pain models TEST!!!!!!

References

Murphy N, Cowley TR, Blau CW et al. The fatty acid amide hydrolase inhibitor URB597 exerts anti-inflammatory effects in hippocampus of aged rats and restores an age-related deficit in long-term potentiation. J Neuroinflammation. 2012 Apr 26;9:79. PMID: 22537429.

Bosier B, Muccioli GG, and Lamber DM. The FAAH inhibitor URB597 efficiently reduces tyrosine hydroxylase expression through CB_1 and FAAH-independent mechanisms. Br J Pharmacol. 2013 Jun;169(4):794-807. PMID: 22970888

Kwilasz AJ, Abdullah RA, Poklis JL et al. Effects of the fatty acid amide hydrolase inhibitor URB597 on pain-stimulated and pain-depressed behavior in rats. Behav Pharmacol. 2014 Apr;25(2):119-29. PMID: 24583930