



LKT Laboratories, Inc.

A-803467

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## Product Information

Product ID A0001

CAS No. 944261-79-4

Chemical Name 5-(4-Chlorophenyl)-N-(3,5-dimethoxyphenyl)-2-furamide

### Synonym

Formula  $C_{19}H_{16}ClNO_4$

Formula Wt. 357.79

### Melting Point

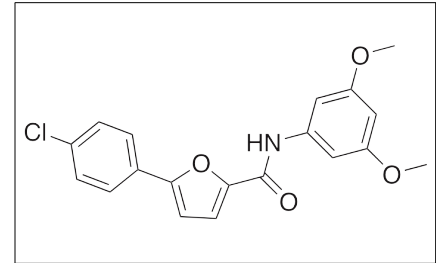
Purity  $\geq 97\%$

Solubility DMSO 72 mg/mL  
Ethanol 11 mg/mL  
Water Insoluble

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

Ship Temp Ambient

**Description** A-803467 is a blocker of Nav1.8 (SCN10A) Na<sup>+</sup> channels that exhibits antinociceptive and antiarrhythmic activities; it may also block Nav1.5 (SCN5A) Na<sup>+</sup> channels. A-803467 inhibits mechanical and thermal pain nociception in vivo. This compound also blocks cardiac Na<sup>+</sup> currents and alters action potential morphology in ventricular myocytes.



**Bulk quantities available upon request**

Product ID	Size
A0001	10 mg
A0001	50 mg

**References** Rahman W, Dickenson AH. Osteoarthritis-dependent changes in antinociceptive action of Nav1.7 and Nav1.8 sodium channel blockers: An in vivo electrophysiological study in the rat. *Neuroscience*. 2015 Jun 4;295:103-16. PMID: 25818052.

Han Z, Jiang Y, Xiao F, et al. The effects of A-803467 on cardiac Nav1.5 channels. *Eur J Pharmacol*. 2015 May 5;754:52-60. PMID: 25701724.

Liu XD, Yang JJ, Fang D, et al. Functional upregulation of Nav1.8 sodium channels on the membrane of dorsal root Ganglia neurons contributes to the development of cancer-induced bone pain. *PLoS One*. 2014 Dec 11;9(12):e114623. PMID: 25503076.

Qi B, Wei Y, Chen S, et al. Nav1.8 channels in ganglionated plexi modulate atrial fibrillation inducibility. *Cardiovasc Res*. 2014 Jun 1;102(3):480-6. PMID: 24419303.

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