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**Product Data Sheet**

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Product Name: Ralfinamide mesylate

Cat. No.: GC13283

**Chemical Properties**

Cas. No. 202825-45-4

Chemical Name (S)-2-((4-((2-fluorobenzyl)oxy)benzyl)amino)propanamide methanesulfonate

SMILES OS(=O)(C)=O.FC1=CC=CC=C1COC2=CC=C(C=C2)CN[C@H](C(N)=O)C

Formula C<sub>17</sub>H<sub>19</sub>FN<sub>2</sub>O<sub>2</sub>.CH<sub>3</sub>SO<sub>3</sub>H M.Wt 398.45

Solubility &lt;9.96mg/ml in Water; &lt;39.84mg/ml in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Ralfinamide mesylate (FCE-26742A mesylate) is an orally available Na<sup>+</sup> channel blocker derived from  $\alpha$ -aminoamide, with function of suppressing pain[1][2].

Ralfinamide (30 mg/kg, 60 mg/kg; p.o.; twice daily; 42 days) treated with Ralfinamide (80 mg/kg; p.o.; twice daily; 7 days) preoperatively suppresses neuropathic pain[1].

## References:

[1]. Zhang SH, et al. Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat. Pain. 2008 Oct 15;139(2):293-305.

[2]. Liang X, et al. Effects of ralfinamide in models of nerve injury and chemotherapy-induced neuropathic pain. Eur J Pharmacol. 2018 Mar 15;823:27-34.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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