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**Product Data Sheet**

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Product Name: L791943  
Cat. No.: GC31258

**Chemical Properties**

Cas. No. 192767-01-4

SMILES O=N1=CC=C(C=C1)CC(C2=CC=C(C(C(F)(F)F)(O)C(F)(F)F)C=C2)C3=CC(OC(F)F)=C(OC(F)F)C=C3

Formula C<sub>24</sub>H<sub>17</sub>F<sub>10</sub>NO<sub>4</sub> M.Wt 573.38

Solubility Soluble 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**

L791943 is a potent, selective Phosphodiesterase-4 (PDE4) inhibitor with an IC<sub>50</sub> of 4.2 nM.

The extent of metabolism of L791943 is evaluated in vitro in rat hepatocytes and compared to the data obtained with CDP-840. In our standard incubation conditions, >98% of the parent drug remain in the case of L791943 whereas only 11% of CDP-840 is left intact[2].

[1]. Richard Frenette, et al. Substituted 4-(2,2-diphenylethyl)pyridine-N-oxides as phosphodiesterase-4 inhibitors: SAR study directed toward the improvement of pharmacokinetic parameters. *Bioorg Med Chem Lett.* 2002 Oct 21;12(20):3009-13. [2]. Guay D, et al. Discovery of L-791,943: a potent, selective, non emetic and orally active phosphodiesterase-4 inhibitor. *Bioorg Med Chem Lett.* 2002 Jun 3;12(11):1457-61.

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

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