

Benzo[b]thiophene-7-propanoic acid,  $\alpha$ -methoxy-4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]-, ( $\alpha$ R)-

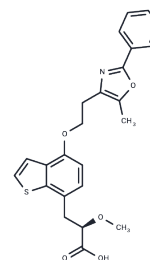
### Chemical Properties

CAS No. : 849150-59-0

Formula: C<sub>24</sub>H<sub>23</sub>NO<sub>5</sub>S

Molecular Weight: 437.51

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.



### Biological Description

Description	Benzo[b]thiophene-7-propanoic acid, $\alpha$ -methoxy-4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]-, ( $\alpha$ R)- is a dual PPAR $\alpha$ / $\gamma$ agonist with EC <sub>50</sub> of 0.358 $\mu$ M and 1.21 $\mu$ M. Benzo[b]thiophene-7-propanoic acid, $\alpha$ -methoxy-4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]-, ( $\alpha$ R)- is the R-isomer of Aleglitazar.
Targets(IC50)	PPAR

### Solubility Information

Solubility DMSO: 45 mg/mL (102.85 mM), Sonication is recommended.  
( $< 1$  mg/ml refers to the product slightly soluble or insoluble)

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2857 mL	11.4283 mL	22.8566 mL
5 mM	0.4571 mL	2.2857 mL	4.5713 mL
10 mM	0.2286 mL	1.1428 mL	2.2857 mL
50 mM	0.0457 mL	0.2286 mL	0.4571 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Bénardeau A, et al. Aleglitazar, a new, potent, and balanced dual PPAR $\alpha$ /gamma agonist for the treatment of type II diabetes. Bioorg Med Chem Lett. 2009 May 1;19(9):2468-73.

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