

MBX-8025 (sodium salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	MBX-8025 is an agonist of peroxisome proliferator-activated receptor δ (PPAR δ). ¹ It is greater than 750- and 2,500-fold selective for PPAR δ over PPAR α and PPAR γ . MBX-8025 (10 mg/kg per day for eight weeks) reduces increases in fasting blood glucose and serum insulin levels, and decreases insulin resistance in Alms1 mutant (foz/foz) mice fed an atherogenic diet as a model of diet-induced obesity, type 2 diabetes, and non-alcoholic steatohepatitis (NASH). ² It also decreases serum alanine transaminase (ALT), as well as serum and hepatic cholesterol and triglyceride, levels and reduces markers of NASH in the same model.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

- Bays, H.E., Schwartz, S., Littlejohn, T., 3rd, et al. MBX-8025, a novel peroxisome proliferator receptor- δ agonist: Lipid and other metabolic effects in dyslipidemic overweight patients treated with and without atorvastatin. J. Clin. Endocrinol. Metab. 96(9), 2889-2897 (2011).
- Haczeyni, F., Wang, H., Barn, V., et al. The selective peroxisome proliferator-activated receptor-delta agonist seladelpar reverses nonalcoholic steatohepatitis pathology by abrogating lipotoxicity in diabetic obese mice. Hepatol. Commun. 1(7), 663-674 (2017).

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