

## Product Datasheet

### Seladelpar (orb1223855)

<b>Catalog Number</b>	orb1223855
<b>Category</b>	Small Molecules
<b>Description</b>	<p>A potent, selective, orally bioavailable PPAR<math>\delta</math> agonist for the treatment of dyslipidemia, metabolic syndrome, type 2 diabetes, and non-alcoholic steatohepatitis (NASH). Dyslipidemia Phase 2 Clinical (In Vitro): MBX-8025 is an orally active, potent (EC<sub>50</sub>=2 nM), and specific (750-fold and 2500-fold compared with PPAR<math>\alpha</math> or PPAR<math>\gamma</math> receptors, respectively) PPAR<math>\delta</math> agonist being developed as a lipid-altering agent. (In Vivo): In atherogenic diet-fed Wt mice, administration of Seladelpar sodium salt reduces body weight by ~18% (P&lt;0.05). In contrast, Seladelpar sodium salt produces minimal effect on body weight in atherogenic diet-fed foz/foz mice. Seladelpar sodium salt lowers serum alanine aminotransferase (ALT) levels in foz/foz mice (P&lt;0.05) and similarly (but not significantly) in Wt mice. Seladelpar sodium salt normalizes serum cholesterol and decreases triglycerides in both genotypes (P&lt;0.05). Seladelpar sodium salt abolishes hepatocyte ballooning (P&lt;0.05) and decreases the nonalcoholic fatty liver disease (NAFLD) activity score by ~50%. Seladelpar sodium salt also significantly reduces sirius red-positive areas in foz/foz mice (P&lt;0.05).</p>
<b>Target</b>	PPAR
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	444.465
<b>Target Areas</b>	PPAR $\alpha$  PPAR- $\delta$
<b>Solubility (25°C)</b>	DMSO: 10 mM □ 1 mg/ml refers to the product slightly soluble or insoluble )
<b>CAS Number</b>	851528-79-5
<b>Formula</b>	C <sub>21</sub> H <sub>23</sub> F <sub>3</sub> O <sub>5</sub> S

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<b>SMILES</b>	<chem>CCOC(COC1=CC=C(C=C1)C(F)(F)F)CSC2=CC(=C(C=C2)OCC(=O)O)C</chem>
<b>Chemical Name</b>	(R)-2-(4-((2-ethoxy-3-(4-(trifluoromethyl)phenoxy)propyl)thio)-2-methylphenoxy)acetic acid
<b>Storage</b>	Storage temperature: -20°C. Stability: ≥ 2 years
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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