

## Product Datasheet

### SR8278 (orb1940957)

<b>Catalog Number</b>	orb1940957
<b>Category</b>	Small Molecules
<b>Description</b>	SR8278 is an REV-ERB $\alpha$ antagonist (EC <sub>50</sub> = 0.47 $\mu$ M) blocking activation of the receptor by the synthetic agonist GSK 4112. (In Vitro): SR8278 has REV-ERB $\alpha$ transcriptional repression inhibitory activity with an EC <sub>50</sub> of 0.47 $\mu$ M. (In Vivo): SR8278 (slow microinjection; 20 $\mu$ g/mouse) exerts antidepressant and anxiolytic effects in a circadian time-dependent manner in 6-OHDA-lesioned mice and restores the circadian rhythm of mood-related behaviors. SR8278 (slow microinjection; 20 $\mu$ g/mouse) restores the binding activities of REV-ERB $\alpha$ and NURR1 to the tyrosine hydroxylase promoter and the induction of enrichment of the R/N motif, recognized by REV-ERB $\alpha$ and NURR1.
<b>Target</b>	REV-ERB $\alpha$
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	361.48
<b>Target Areas</b>	REV-ERB $\alpha$
<b>Solubility (25°C)</b>	DMSO: 10mg/ml (27.66mM)
<b>CAS Number</b>	1254944-66-5
<b>Formula</b>	C <sub>18</sub> H <sub>19</sub> NO <sub>3</sub> S <sub>2</sub>
<b>SMILES</b>	CCOC(=O)C1Cc2ccccc2CN1C(=O)c1ccc(SC)s1
<b>Chemical Name</b>	ethyl 2--[5-(methylsulfanyl)thiophen-2-yl]carbonyl]-1234-tetrahydroisoquinoline-3-carboxylate
<b>Storage</b>	Storage temperature: -20°C. Stability: $\geq$ 2 years

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**Note** For research use only

**Expiration Date** 12 months from date of receipt.

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