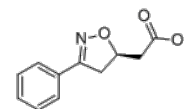


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<b>Product Name</b>	: Zenuzolac
<b>Cat. No.</b>	: PC-38433
<b>CAS No.</b>	: 6501-72-0 (racemate)
<b>Molecular Formula</b>	: C <sub>11</sub> H <sub>11</sub> NO <sub>3</sub>
<b>Molecular Weight</b>	: 205.213
<b>Target</b>	: Other Targets
<b>Solubility</b>	: 10 mM in DMSO



## Biological Activity

Zenuzolac (GLS1027, VGX-1027) is a small molecule immunosuppressant and an orally available isoxazole compound, inhibits toll-like receptor 4 (TLR4) activity, has shown promise for the treatment of several neuroinflammatory disorders. VGX-1027 modulates genes involved in lipopolysaccharide-induced Toll-like receptor 4 activation and in a murine model of systemic lupus erythematosus.

VGX-1027 attenuates self-grooming and marble burying behaviors, and enhance social interactions in BTBR mice, VGX-1027 treatment resulted in a substantial decrease in IL-1 $\beta$ , IL-6, TNF- $\alpha$ , IFN- $\gamma$ , and NF- $\kappa$ B p65 production, but increased IL-10 production in CD4<sup>+</sup> T cells.

## References

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Fagone P, et al. Immunology. 2014 Aug;142(4):594-602.

Laird MD, et al. Glia. 2014 Jan;62(1):26-38.

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**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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