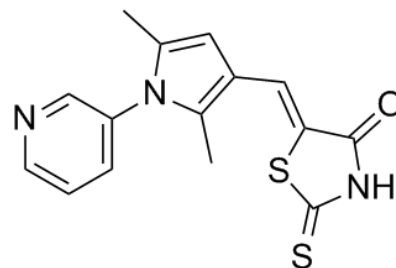


Product Name : Optovin
Cat. No. : PC-43222
CAS No. : 348575-88-2
Molecular Formula : C₁₅H₁₃N₃OS₂
Molecular Weight : 315.4132
Target : TRP Channel
Solubility : DMSO: ≥ 37 mg/mL



Biological Activity

Optovin is a reversible photoactivated TRPA1 ligand that can be photoactivated by violet light, enables light-mediated neuronal excitation in treated animals with EC₅₀ of 2 μM at 387 nm (violet), but not to 485 nm (blue), 560 nm (green) or longer wavelengths.

Optovin shows activity on zebrafish, mouse neurons, and recombinant human protein, enables repeated photoactivation of motor behaviors in wild-type zebrafish and mice.

References

Kokel D, et al. *Nat Chem Biol.* 2013 Apr;9(4):257-63.

Lu Y, et al. *Anesthesiology.* 2016 Dec;125(6):1171-1180.

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

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