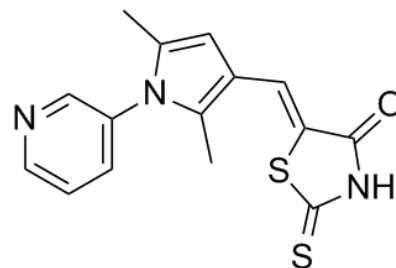


**Product Name** : Optovin  
**Cat. No.** : PC-43222  
**CAS No.** : 348575-88-2  
**Molecular Formula** : C<sub>15</sub>H<sub>13</sub>N<sub>3</sub>OS<sub>2</sub>  
**Molecular Weight** : 315.4132  
**Target** : TRP Channel  
**Solubility** : DMSO: ≥ 37 mg/mL



## 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 EC<sub>50</sub> of 2 μM at 387 nm (violet), but not to 485 nm (blue), 560 nm (green) or longer wavelengths; 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!**

E-mail: tech@probechem.com