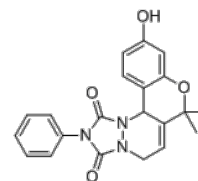


Product Name : Inflachromene
Cat. No. : PC-62259
CAS No. : 908568-01-4
Molecular Formula : C₂₁H₁₉N₃O₄
Molecular Weight : 377.4
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Inflachromene (ICM) is a microglial inhibitor with anti-inflammatory effects, directly binds high mobility group protein 1 (**HMGB1**) and **HMGB2** and reduces their cytoplasmic accumulation in microglial cells.

Inflachromene blocks the sequential processes of cytoplasmic localization and extracellular release of HMGBs by perturbing its post-translational modification.

Inflachromene effectively downregulates proinflammatory functions of HMGB and reduces neuronal damage in vivo.

References

Lee S, et al. *Nat Chem Biol*. 2014 Dec;10(12):1055-60.

Cho W, et al. *J Med Chem*. 2017 Jan 12;60(1):170-179.

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

E-mail: tech@probechem.com