

TH301

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	TH301 acts as a stabilizer for cryptochrome circadian regulator 2 (CRY2). It demonstrates selectivity by stabilizing CRY2 over CRY1 in a degradation assay conducted with HEK293 cells expressing CRY reporters at concentrations ranging from 0.1 to 10 $\mu$ M. In wild-type mouse fibroblasts, TH301 extends the circadian period, but this effect is absent in Cry2 <sup>-/-</sup> fibroblasts. Additionally, it boosts rosiglitazone-dependent induction of brown adipose tissue-specific genes such as Ucp1, Cidea, and Kcnk3 in primary mouse stromal vascular fractions.
Targets(IC50)	Others

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481