



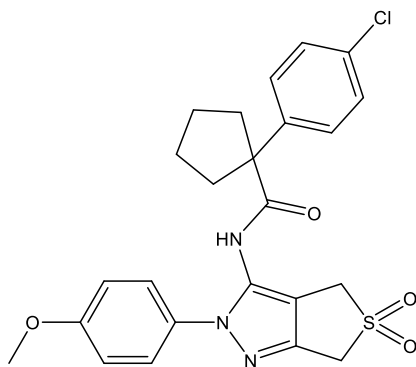
Catalog # 10-3909

TH301

CAS# 450338-32-6

1-(4-Chlorophenyl)-N-[2,6-dihydro-2-(4-methoxyphenyl)-5,5-dioxido-4H-thieno[3,4-c]pyrazol-3-yl]cyclopentanecarboxamide

Lot # FBA7056



TH301 is an isoform-selective stabilizer of the circadian clock protein CRY2. It dose-dependently lengthened the circadian period in Bmal1-dLuc and Per2-dLuc reporter cells. TH301 strongly enhanced rosiglitazone-dependent brown adipocyte differentiation revealing the importance of CRY-dependent regulation of energy metabolism and a possible new lead for anti-obesity therapeutics.

- 1) Miller *et al.* (2020), *Isoform-selective regulation of mammalian cryptochromes*; Nat. Chem. Biol. **16** 676

PHYSICAL DATA

Molecular Weight:	485.98
Molecular Formula:	C ₂₄ H ₂₄ ClN ₃ O ₄ S
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or may be stored at -20°C for up to 3 months.

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