TH301

Selective circadian clock protein CRY2 stabilizer

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.

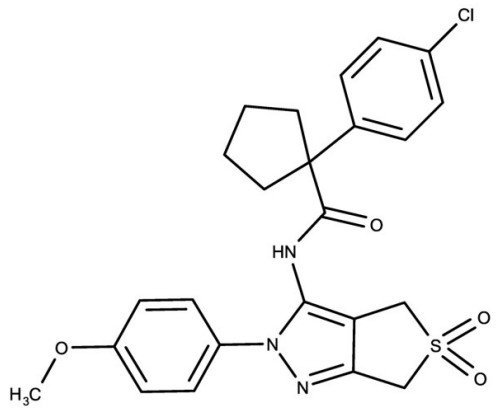
Ordering Information

Order Online »

ENZ-CHM473-0025	25mg

Manuals, SDS & CofA

View Online »


Cl
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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	1-(4-Chlorophenyl)-N-[2,6-dihydro-2-(4-methoxyphenyl)-5,5-dioxido-4H-thieno[3,4-c]pyrazol-3-yl]cyclopentanecarboxamide
Appearance	White solid.
CAS	450338-32-6
Couple Target	Cryptochrome-2
Formula	$C_{24}H_{24}ClN_3O_4S$
Identity	Determined by NMR.
MW	485.98
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (25 mg/ml).

Last modified: February 27, 2025

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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