

AE 51310

OPN4/Melanopsin antagonist

AE 51310 is a potent antagonist of the GPCR OPN4/melanopsin. OPN4 regulates circadian rhythms, pupil functions, melatonin expression, cognition, and sleep. AE 51310 decreased the growth and proliferation of both LG17 and LG55 lung cancer tumors in mouse xenograft models.

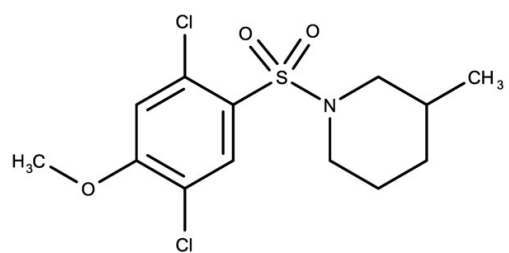
Ordering Information

[Order Online »](#)

ENZ-CHM476-0025	25mg
-----------------	------

Manuals, SDS & CofA

[View Online »](#)



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-(2,5-Dichloro-4-methoxyphenyl)sulfonyl-3-methylpiperidine

Appearance White solid.

CAS 433966-92-8

Couple Target Melanopsin

Couple Type Inhibitor

Formula $C_{13}H_{17}Cl_2NO_3S$

Identity Determined by NMR.

MW 338.24

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](mailto:info-usa@enzolifesciences.com)

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

Belgium, The Netherlands
& Luxembourg
Phone: +32 3 466 0420
[info-
fr@enzolifesciences.com](mailto:info-fr@enzolifesciences.com)

France
Phone: +33 472 440 655
[info-
fr@enzolifesciences.com](mailto:info-fr@enzolifesciences.com)

Germany
Phone: +49 7621 5500 526
[info-
de@enzolifesciences.com](mailto:info-de@enzolifesciences.com)

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