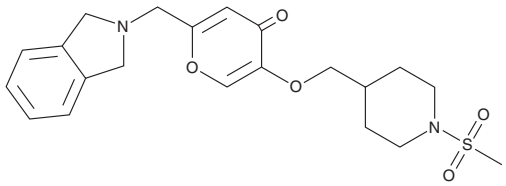
PRODUCT INFORMATION

Opevesostat

Item No. 46501

CAS Registry No.: 2231294-96-3
Formal Name: 2-[(1,3-dihydro-2H-isoindol-2-yl) methyl]-5-[[1-(methylsulfonyl)-4-piperidinyl]methoxy]-4H-pyran-4-one
Synonyms: MK-5684, ODM-208
MF: $C_{21}H_{26}N_2O_5S$
FW: 418.5
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Opevesostat is supplied as a solid. A stock solution may be made by dissolving the opevesostat in the solvent of choice, which should be purged with an inert gas. Opevesostat is soluble (≥10 mg/ml) in DMSO.

Description

Opevesostat is an inhibitor of the cytochrome P450 (CYP) isoform CYP11A1 (IC_{50} = 20.4 nM), the enzyme that catalyzes the first committed step of steroid hormone biosynthesis by converting cholesterol (Item Nos. 9003100 | 39088 | 39448) to pregnenolone (Item No. 19864).[1] It is selective for CYP11A1 over CYP1A2, CYP2C9, CYP2C19, CYP2D6, and CYP3A4/5 at 10 µM.

Reference

1. Wang, D., Cui, S., Yuan, J., *et al.* Design, synthesis, and biological evaluation of cytochrome P450 CYP11A1 inhibitors. *Bioorg. Med. Chem.* **135**, 130567 (2026).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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