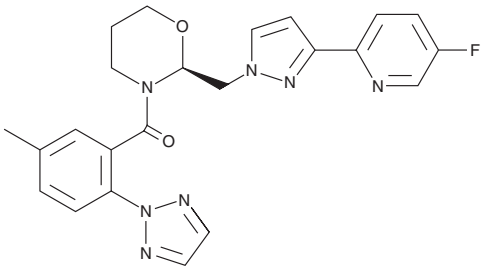
PRODUCT INFORMATION

Vornorexant

Item No. 46563

CAS Registry No.: 1517965-94-4
Formal Name: [(2S)-2-[[3-(5-fluoro-2-pyridinyl)-1H-pyrazol-1-yl]methyl]dihydro-2H-1,3-oxazin-3(4H)-yl][5-methyl-2-(2H-1,2,3-triazol-2-yl)phenyl]-methanone
Synonyms: ORN-0829, TS-142
MF: $C_{23}H_{22}FN_7O_2$
FW: 447.5
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

Vornorexant is supplied as a solid. A stock solution may be made by dissolving the vornorexant in the solvent of choice, which should be purged with an inert gas. Vornorexant is sparingly soluble (1-10 mg/ml) in acetonitrile and DMSO.

Description

Vornorexant is a dual orexin receptor antagonist (DORA).[1] It inhibits [Ala^{6,12}]-orexin A-induced calcium mobilization in CHO-K1 cells expressing recombinant human orexin receptor 1 (OX1R) or OX2R (IC_{50}s = 1.05 and 1.27 nM, respectively). Vornorexant (1, 3, and 10 mg/kg, p.o.) decreases sleep latency and increases total sleep in rats. Formulations containing vornorexant have been used in the treatment of insomnia.

Reference

1. Futamura, A., Suzuki, R., Tamura, Y., *et al.* Discovery of ORN0829, a potent dual orexin 1/2 receptor antagonist for the treatment of insomnia. *Bioorg. Med. Chem.* **28(12)**, 115489 (2020).

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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