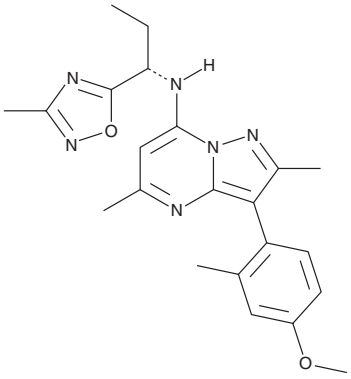
PRODUCT INFORMATION

Verucerfont

Item No. 46451



CAS Registry No.:	885220-61-1
Formal Name:	3-(4-methoxy-2-methylphenyl)-2,5-dimethyl-N-[(1S)-1-(3-methyl-1,2,4-oxadiazol-5-yl) propyl]-pyrazolo[1,5-a]pyrimidin-7-amine
Synonyms:	GSK561679, NBI-77860
MF:	$C_{22}H_{26}N_6O_2$
FW:	406.5
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

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

Description

Verucerfont is a corticotropin-releasing factor receptor 1 (CRF_1) antagonist (K_i = 6.3 nM).[1] It inhibits sauvagine-induced release of adrenocorticotropic hormone (ACTH) in rat anterior pituitary cells (IC_{50} = 100 nM). Verucerfont (10 mg/kg) reduces plasma ACTH levels in adrenalectomized rats.[2]

References

1. Tellew, J.E., Lanier, M., Moorjani, M., *et al.* Discovery of NBI-77860/GSK561679, a potent corticotropin-releasing factor (CRF1) receptor antagonist with improved pharmacokinetic properties. *Bioorg. Med. Chem. Lett.* **20(24)**, 7259-7264 (2010).
2. Schwandt, M.L., Cortes, C.R., Kwako, L.E., *et al.* The CRF1 antagonist verucerfont in anxious alcohol-dependent women: Translation of neuroendocrine, but not of anti-craving effects. *Neuropsychopharmacology* **41(12)**, 2818-28929 (2016).

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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