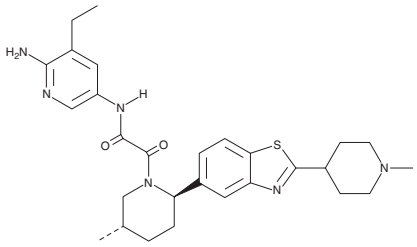
PRODUCT INFORMATION

Vopimetostat

Item No. 46370

CAS Registry No.: 2760483-96-1
Formal Name: N-(6-amino-5S-ethyl-3-pyridinyl)-5-methyl-2-[2R-(1-methyl-4-piperidinyl)-5-benzothiazolyl]-α-oxo-1-piperidineacetamide
Synonym: TNG462
MF: $C_{28}H_{36}N_6O_2S$
FW: 520.7
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

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

Description

Vopimetostat is a methylthioadenosine-cooperative inhibitor of protein arginine methyltransferase 5 (PRMT5) that binds to the PRMT5-methylthioadenosine (MTA) complex (K_i = 300 fM).[1] It decreases the viability of HAP1 chronic myeloid leukemia (CML) cells deficient in the gene encoding methylthioadenosine phosphorylase (MTAP; GI_{50} = 4 nM) with 30-fold selectivity over wild-type HAP1 cells. Vopimetostat decreases intratumoral protein-associated symmetric dimethylarginine levels and induces tumor regression in an *MTAP*-null Lu-99 non-small cell lung cancer (NSCLC) mouse xenograft model.

Reference

1. Cottrell, K.M., Briggs, K.J., Tsai, A., *et al.* Discovery of TNG462: A highly potent and selective MTA cooperative PRMT5 inhibitor to target cancers with MTAP deletion. *J Med. Chem.* **68(5)**, 5097-5119 (2025).

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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