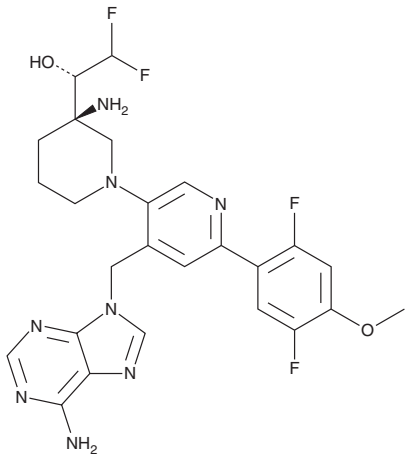
PRODUCT INFORMATION

Gintemetostat

Item No. 46672



CAS Registry No.:	2604513-16-6
Formal Name:	(αS,3R)-3-amino-1-[4-[(6-amino-9H-purin-9-yl)methyl]-6-(2,5-difluoro-4-methoxyphenyl)-3-pyridinyl]-α-(difluoromethyl)-3-piperidinemethanol
Synonym:	KTX-1001
MF:	$C_{25}H_{26}F_4N_8O_2$
FW:	546.5
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

Gintemetostat is supplied as a solid. A stock solution may be made by dissolving the gintemetostat in the solvent of choice, which should be purged with an inert gas. Gintemetostat is slightly soluble (0.1-1 mg/ml) in acetonitrile and DMSO.

Description

Gintemetostat is an inhibitor of the histone-lysine N-methyltransferase NSD2 (IC_{50} = 0.46 nM).[1] It reduces the levels of dimethylated lysine 36 on histone H3 (H3K36me2) in MDA-MB-231 and MDA-MB-468 breast cancer cells and decreases the migration of MDA-MB-231 cells at 10 µM.[2] Gintemetostat (50 mg/kg) reduces tumor growth in a mouse model of breast cancer.

References

1. Lewis, C.A., Schmidt, C., Beebe, L., *et al*. Characterization of the activity of KTX-1001, a small molecule inhibitor of multiple myeloma SET domain using surface plasmon resonance. *J. Biol. Chem.* **301(7)**, 110382 (2025).
2. Lin, W., Chen, J., Wu, K., *et al*. NSD2 drives triple-negative breast cancer progression via ATAD3A-dependent senescence. *Cell Signal.* **149**, 112921 (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.

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