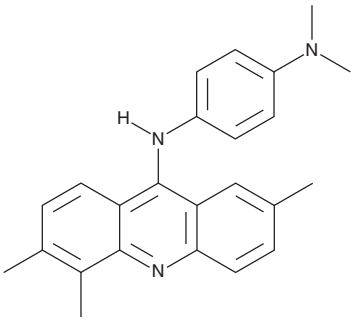
PRODUCT INFORMATION

LSD1-IN-27

Item No. 46495



CAS Registry No.:	2904571-94-2
Formal Name:	N^1,N^1-dimethyl-N^4-(2,5,6-trimethyl-9-acridinyl)-1,4-benzenediamine
Synonyms:	LSD-1 Inhibitor 27, Lysine-specific Demethylase 1-IN-27, Lysine-specific Demethylase 1 Inhibitor 27
MF:	$C_{24}H_{25}N_3$
FW:	355.5
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

LSD1-IN-27 is supplied as a solid. A stock solution may be made by dissolving the LSD1-IN-27 in the solvent of choice, which should be purged with an inert gas. LSD1-IN-27 is soluble (≥10 mg/ml) in DMSO.

Description

LSD1-IN-27 is an inhibitor of lysine-specific demethylase 1 (LSD1; IC_{50} = 0.013 µM).[1] It decreases programmed cell death 1 ligand 1 (PD-L1) levels and increases T cell-induced cytotoxicity in BGC-823 gastric cancer cells and reduces the migration and stemness of the same cells. LSD1-IN-27 (15-50 mg/kg) reduces tumor volume in an MFC murine gastric cancer model.

Reference

1. Dai, X.J., Liu, Y., Wang, N., *et al.* Novel acridine-based LSD1 inhibitors enhance immune response in gastric cancer. *Eur. J. Med. Chem.* **259**, 115684 (2023).

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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