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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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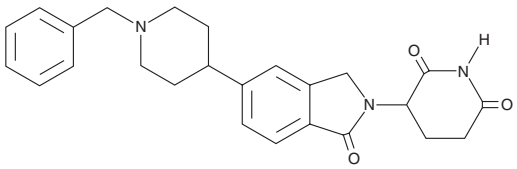
PRODUCT INFORMATION

NVP-DKY709

Item No. 41295

CAS Registry No.:	2291360-73-9
Formal Name:	3-[1,3-dihydro-1-oxo-5-[1-(phenylmethyl)-4-piperidinyl]-2H-isoindol-2-yl]-2,6-piperidinedione
MF:	$C_{25}H_{27}N_3O_3$
FW:	417.5
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

NVP-DKY709 is supplied as a solid. A stock solution may be made by dissolving the NVP-DKY709 in the solvent of choice, which should be purged with an inert gas. NVP-DKY709 is slightly soluble (0.1-1 mg/ml) in acetonitrile.

Description

NVP-DKY709 is a degrader of Ikaros family zinc finger protein 2 (IKZF2) with a half-maximal degradation concentration (DC_{50}) value of 4 nM.[1] It is selective for IKZF2 over 8,656 other proteins, including IKZF1, IKZF3, and IKZF5, at 2.5 µM, but it does degrade IKZF4, which has the same zinc finger 2 β-hairpin sequence as IKZF2, and Sal-like protein 4 (SALL4; DC_{50}s = 13 and 2 nM, respectively). It increases IL-2 secretion induced by phytohemagglutinin in Jurkat T cells in a concentration-dependent manner. NVP-DKY709 (100 mg/kg), alone or in combination with an antibody against programmed death protein 1 (PD-1), decreases tumor volume in an MDA-MB-231 humanized mouse xenograft model.

Reference

1. Bonazzi, S., d'Hennezel, E., Beckwith, R.E., *et al.* Discovery and characterization of a selective IKZF2 glue degrader for cancer immunotherapy. *Cell Chem. Biol.* **30(3)**, 235-247.e12 (2023).

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