

PAD2-IN-1 biochemical

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CATALOG #
AAA228101

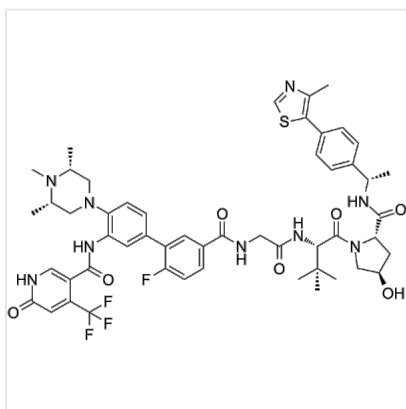
PRODUCT SYNONYMS

PAD2-IN-1; PAD2-IN-1 biochemical

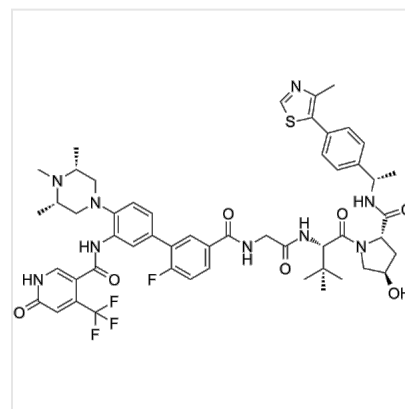
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2095109-82-1
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	In the target engagement assay, the EC 50 of PAD2-IN-1 (compound 32a) is 8.3 uM in HEK293T/PAD2 cells, the enhanced potency of PAD2-IN-1 overcomes its relatively poor ability to enter cells[1]. PAD2-IN-1 (compound 32a; 1-25 uM) treatment strongly inhibits histone H3 citrullination with an EC 50 of 2.7 uM in HEK293T/PAD2 cells[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
MS67, CAS 2407452-77-9



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ADDITIONAL INFORMATION

Related Product Information for PAD2-IN-1 biochemical	PAD2-IN-1, a benzimidazole-based derivative, is a potent and selective protein arginine deiminase 2 (PAD2) inhibitor. PAD2-IN-1 shows superior selectivity for PAD2 over PAD4 (95-fold) and PAD3 (79-fold).
References	1. Xufen Yu, et al. A selective WDR5 degrader inhibits acute myeloid leukemia in patient-derived mouse models. Sci Transl Med. 2021 Sep 29;13(613):eabj1578.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.