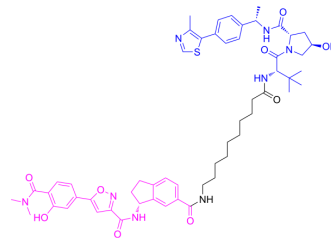


## MS41

Cat. No.:	HY-169093
CAS No.:	2768610-97-3
Molecular Formula:	C <sub>56</sub> H <sub>70</sub> N <sub>8</sub> O <sub>9</sub> S
Molecular Weight:	1031.27
Target:	PROTACs; Epigenetic Reader Domain; Apoptosis
Pathway:	PROTAC; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

MS41 is a selective eleven-nineteen leukemia (ENL) PROTAC degrader, with DC<sub>50</sub>s of 3.50 nM (MV4;11), 2.84 nM (SEMK2), 3.03 nM (Jurkat), and 26.58 nM (KASUMI1), respectively. MS41 effectively inhibits the growth of ENL-dependent leukemia cells, induces G1 cell cycle arrest and increases apoptosis. MS41 reduces the chromatin occupancy of ENL-associated transcription elongation machinery, and suppresses oncogenic gene expression and leukemia progression. Red: ENL ligand (HY-169094). Black: linker (HY-W105744). Blue: VHL ligand (HY-112078)<sup>[1]</sup>.

### REFERENCES

[1]. Xue Z, et al. A potent and selective ENL degrader suppresses oncogenic gene expression and leukemia progression. *Sci Adv.* 2024 Aug 30;10(35):eado1432.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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