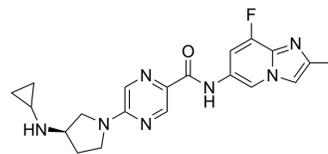


## mHTT-IN-2

Cat. No.:	HY-156103
CAS No.:	2743336-70-9
Molecular Formula:	C <sub>20</sub> H <sub>22</sub> FN <sub>7</sub> O
Molecular Weight:	395.43
Target:	Huntingtin
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	mHTT-IN-2 (compound 27) is a potent inhibitor (EC <sub>50</sub> =0.066 μM) of mutant huntingtin (mHTT). mHTT-IN-2 reduces canonical splicing of HTT RNA exons [49-50] and is a splicing regulator of the huntingtin (HTT) gene. mHTT-IN-2 exhibits inhibitory activity in vitro and in vivo in human HD stem cells and mouse BACHD models. mHTT-IN-2 may be used in the study of branaplam-related peripheral neuropathy <sup>[1]</sup> .
IC <sub>50</sub> & Target	EC50: 0.066 μM (mHTT protein) <sup>[1]</sup>

### REFERENCES

[1]. Liu L, et al. Identification and Optimization of RNA-Splicing Modulators as Huntingtin Protein-Lowering Agents for the Treatment of Huntington's Disease. J Med Chem. 2023 Sep 15. .

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

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