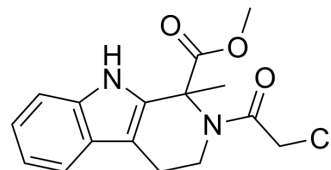


PDI-IN-3

Cat. No.:	HY-124866
CAS No.:	922507-80-0
Molecular Formula:	C ₁₆ H ₁₇ ClN ₂ O ₃
Molecular Weight:	320.77
Target:	PDI
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PDI-IN-3 (compound 16F16) is a protein disulfide isomerase (PDI) inhibitor. PDI-IN-3 inhibits cell viability ^[1] .								
In Vitro	<p>PDI-IN-3 (compound 16F16) (0.1, 1, 10, 100 μM; 48 h) inhibits cell viability in htt-Q25 and htt-Q103 cells^[1]. PDI-IN-3 (1, 2, 3, 4, 10 μM) suppress htt-N90Q73-induced toxicity in brain slice MSNs (medium spiny neurons)^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>htt-Q25, htt-Q103 cells</td> </tr> <tr> <td>Concentration:</td> <td>0.1, 1, 10, 100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>48 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited cell growth in a dose-dependent manner.</td> </tr> </table>	Cell Line:	htt-Q25, htt-Q103 cells	Concentration:	0.1, 1, 10, 100 μM	Incubation Time:	48 h	Result:	Inhibited cell growth in a dose-dependent manner.
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Result:	Inhibited cell growth in a dose-dependent manner.								

REFERENCES

[1]. Hoffstrom BG, et al. Inhibitors of protein disulfide isomerase suppress apoptosis induced by misfolded proteins. Nat Chem Biol. 2010 Dec;6(12):900-6.

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

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