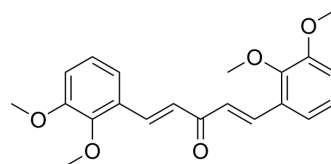


TrxR1-IN-B19

Cat. No.:	HY-120914
CAS No.:	170950-29-5
Molecular Formula:	C ₂₁ H ₂₂ O ₅
Molecular Weight:	354.4
Target:	TrxR; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

TrxR1-IN-B19 (GO-Y015) (Compound B19) is a Curcumin (HY-N0005) derivative and covalent TrxR1 inhibitor. TrxR1-IN-B19 inhibits TrxR1 enzyme activity to elevate oxidative stress, and then induce ROS-mediated ER Stress and mitochondrial dysfunction, subsequently resulting in cell cycle arrest and apoptosis^[1].

REFERENCES

[1]. Chen W, et al. Selective killing of gastric cancer cells by a small molecule via targeting TrxR1 and ROS-mediated ER stress activation. *Oncotarget*. 2016 Mar 29;7(13):16593-609.

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

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