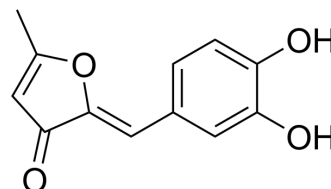


Inotilone

Cat. No.:	HY-111172
CAS No.:	906366-79-8
Molecular Formula:	C ₁₂ H ₁₀ O ₄
Molecular Weight:	218.21
Target:	MMP; NF-κB
Pathway:	Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Inotilone is an inhibitor of matrix metalloproteinase MMP-2 and MMP-9, to against metastatic in lung cancer cells. Inotilone enhances the activity of the antioxidant enzymes to support its anti-metastatic activity. Inotilone also inhibits IκBα phosphorylation and NFκB p65 nuclear translocation, involving in FAK, PI3K/AKT, MAPKs and NFκB pathways ^[1] .
IC ₅₀ & Target	MMP-2, MMP-9, NFκB p65, IκBα ^[1]

REFERENCES

[1]. Chao W, et al. Inotilone from *Inonotus linteus* suppresses lung cancer metastasis in vitro and in vivo through ROS-mediated PI3K/AKT/MAPK signaling pathways. *Sci Rep.* 2019 Feb 20;9(1):2344.

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

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