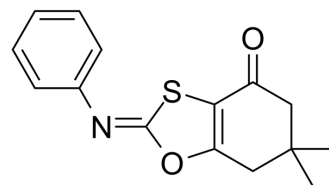


BOT-64

| | |
|--------------------|---|
| Cat. No.: | HY-136741 |
| CAS No.: | 113760-29-5 |
| Molecular Formula: | C ₁₅ H ₁₅ NO ₂ S |
| Molecular Weight: | 273.35 |
| Target: | IKK |
| Pathway: | NF-κB |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | BOT-64 is an inhibitory κB (IκB) kinase β (IKKβ) inhibitor with an IC ₅₀ of 1 μM. BOT-64 blocks lipopolysaccharide-induced nuclear factor-κB activation and nuclear factor-κB-regulated inflammatory gene transcription ^[1] . |
| IC₅₀ & Target | IKKβ 1 μM (IC ₅₀) |
| In Vivo | BOT-64 (3-30 mg/kg) increases the survival rates of endotoxin LPS-shocked mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Kim BH, et al. Benzothiazole derivative blocks lipopolysaccharide-induced nuclear factor-kappaB activation and nuclear factor-kappaB-regulated gene transcription through inactivating inhibitory kappaB kinase beta. *Mol Pharmacol*. 2008 Apr;73(4):1309-18.

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

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