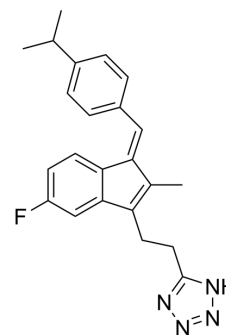


K-8012

Cat. No.:	HY-121435
CAS No.:	1346513-17-4
Molecular Formula:	C ₂₃ H ₂₃ N ₄
Molecular Weight:	374.45
Target:	RAR/RXR; PI3K; Akt; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor; PI3K/Akt/mTOR; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

K-8012, a sulindac (HY-B0008) analog, is a potent antagonist of RXRa. The IC₅₀ value for K-8012 to inhibit 9-cis-RA-induced Gal4-RXRα-LBD trans-activation were about 9.2 μM. K-8012 exerts improved anticancer activity over sulindac in a RXRα-dependent manner. K-8012 exhibits activity in inhibiting the tRXRα-mediated PI3K/AKT signaling pathway. K-8012 induces apoptosis and inhibits AKT activation by preventing tRXRα from binding to p85a^[1].

IC₅₀ & Target

RXR α

REFERENCES

[1]. Chen L, et al. Sulindac-derived RXRα modulators inhibit cancer cell growth by binding to a novel site. Chem Biol. 2014 May 22;21(5):596-607.

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

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