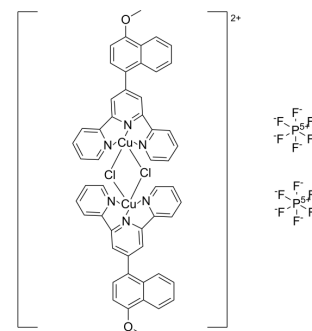


[Cu₂Cl₂(4'-(4-Methoxy-1-naphthyl)-terpy)2](PF₆)₂

| | |
|---------------------------|--|
| Cat. No.: | HY-158117 |
| Molecular Formula: | C ₅₂ H ₃₈ Cl ₂ Cu ₂ F ₁₂ N ₆ O ₂ P ₂ ²⁻ |
| Molecular Weight: | 1266.82 |
| Target: | Apoptosis; Autophagy |
| Pathway: | Apoptosis; Autophagy |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

[Cu₂Cl₂(4'-(4-Methoxy-1-naphthyl)-terpy)2](PF₆)₂ (Compound 3) is a copper complex, which inhibits cell viability of HCT116, HCT116DoxR, A2780 and fibroblasts, with IC₅₀s of 0.13, 0.15, 0.66 and 6.24 μM, respectively. [Cu₂Cl₂(4'-(4-Methoxy-1-naphthyl)-terpy)2](PF₆)₂ induces apoptosis and autophagy, and arrests cell cycle at G₀/G₁ phase in HCT116DoxR. [Cu₂Cl₂(4'-(4-Methoxy-1-naphthyl)-terpy)2](PF₆)₂ exhibits antimetastatic efficacy^[1].

REFERENCES

[1]. Choroba K, et al., Copper(II) Complexes with 2,2':6',2''-Terpyridine Derivatives Displaying Dimeric Dichloro-μ-Bridged Crystal Structure: Biological Activities from 2D and 3D Tumor Spheroids to In Vivo Models. *J Med Chem.* 2024 Apr 11;67(7):5813-5836.

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

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