

Product Datasheet

(Rac)-ErSO-DFP

Catalog No. **BP-02406** · CAS **2768139-73-5** · Form **free base** · Physical state **solid** · Version **1.0** · Revision **2026-09-10**

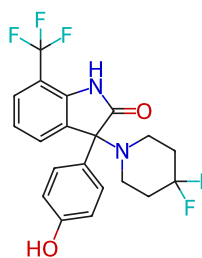
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Target Estrogen Receptor/ERR	Research area Cancer
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Molecular formula **C₂₀H₁₇F₅N₂O₂**

Molecular weight **412.3532**

STRUCTURE



DESCRIPTION

(Rac)-ErSO-DFP is a derivative of ErSO-DFP and a selective small molecule Er α biomodulator. (Rac)-ErSO-DFP againsts ER α + breast cancer (including resistant tumors) by hyperactivating the Er α -dependent α -UPR (extracted from patent WO2022087234A1) .

BIOLOGICAL ACTIVITY

In Vitro

(Rac)-ErSO-DFP (compound 2) (0.001-1 μ M; 24 h) maintains potent anticancer activity with IC₅₀ of 35 nM in MCF-7 cells.

In Vivo

(Rac)-ErSO-DFP (compound 2) (5 mg/kg; i.v.; 3xq.wk.) shows a sustained activity of againsting ER α + breast cancer at low doses.

REFERENCES

[1].Hergenrother, et al. Enzyme-activating compounds and compositions. Patent WO2022087234A1.

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