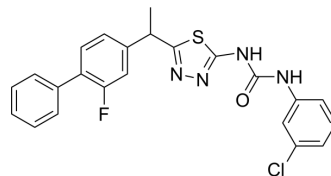


## Tyrosinase-IN-13

Cat. No.:	HY-155240
Molecular Formula:	C <sub>23</sub> H <sub>18</sub> ClFN <sub>4</sub> OS
Molecular Weight:	452.93
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Tyrosinase-IN-13 (compound 3c), a derivative of Flurbiprofen (HY-10582), is a potent, non-competitive tyrosinase inhibitor (IC <sub>50</sub> =68 μM; Ki=36.3 μM). Tyrosinase-IN-13 is cytotoxic against hepatocellular carcinoma (HepG2), colorectal cancer (HT-29), and melanoma (B16F10) <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 68 μM (Tyrosinase) <sup>[1]</sup>

### REFERENCES

[1]. Zengin Kurt B, et al. Synthesis of flurbiprofen thiadiazole urea derivatives and assessment of biological activities and molecular docking studies. Chem Biol Drug Des. 2023 Aug 31... .

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

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