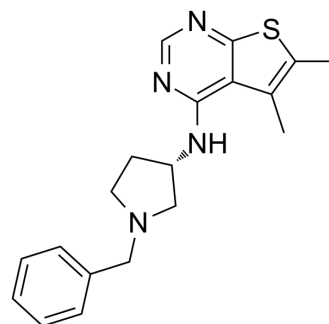


## HS80

Cat. No.:	HY-112522A
CAS No.:	2138838-57-8
Molecular Formula:	C <sub>19</sub> H <sub>22</sub> N <sub>4</sub> S
Molecular Weight:	338.47
Target:	Fatty Acid Synthase (FASN)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	HS-80 is an enantiomer of Fasnall, which is a selective fatty acid synthase (FASN) inhibitor. HS-80 is able to inhibit the incorporation of tritiated acetate into lipids with an IC <sub>50</sub> of 7.13 μM.
IC <sub>50</sub> & Target	FASN <sup>[1]</sup>
In Vitro	Fasnall, a thiophenopyrimidine selectively targeting FASN through its co-factor binding sites. Fasnall has anti-proliferative activity and induces apoptosis in breast cancer cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Alwarawrah Y, et al. Fasnall, a Selective FASN Inhibitor, Shows Potent Anti-tumor Activity in the MMTV-Neu Model of HER2(+) Breast Cancer. Cell Chem Biol. 2016 Jun 23;23(6):678-88.

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

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