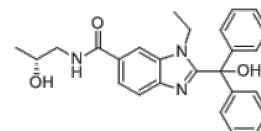


**Product Name** : VY-3-135  
**Cat. No.** : PC-38179  
**CAS No.** : 1824637-41-3  
**Molecular Formula** : C<sub>26</sub>H<sub>27</sub>N<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 429.52  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

VY-3-135 is a potent, specific **acetyl-CoA synthetase 2 (ACSS2)** inhibitor with IC<sub>50</sub> of 44 nM, does not inhibit AcCoA synthetase family member ACSS1 and ACSS3.

VY-3-135 completely blocked fatty acid synthesis from acetate in SKBr3 cells.

VY-3-135 inhibited mouse TNBC tumor growth in ACSS2<sup>high</sup> tumors but not ACSS2<sup>low</sup> tumors.

## References

Miller KD, et al. *Cancer Res.* 2021 Mar 1;81(5):1252-1264.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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