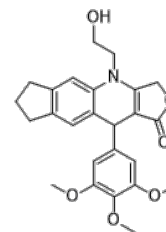


**Product Name** : SU212  
**Cat. No.** : PC-25684  
**CAS No.** : 1262219-89-5  
**Molecular Formula** : C<sub>25</sub>H<sub>27</sub>NO<sub>6</sub>  
**Molecular Weight** : 437.49  
**Target** : Enolase  
**Solubility** : 10 mM in DMSO



CAS: 1262219-89-5

## Biological Activity

SU212 is a small molecule **AMPK** activator, specifically binds to enolase 1 (**ENO1**) and induces its degradation, restricting its intracellular localization, selectively induces oxidative phosphorylation and decreases glycolysis in TNBC cells, with no effect in normal cells.

SU212 induces mitotic phase arrest and apoptosis in TNBC cells.

SU212 inhibits tumour growth, cancer progression and metastasis in vivo.

SU212 strongly inhibits ENO1 protein expression in multiple TNBC cell lines (MDA-MB-231, MDA-MB-468, and EMT6) in a dose-dependent manner.

SU212 promotes ENO1 degradation through both proteasomal and autophagic pathways.

SU212 does not directly inhibit ENO1 enzymatic activity.

SU212 inhibits cellular glycolysis and the mTOR signaling pathway.

## References

Taylor D, et al. *Br J Cancer*. 2021 Feb;124(3):604-615.

Taylor D, et al. *Cell Rep Med*. 2025 Nov 7:102451.

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

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