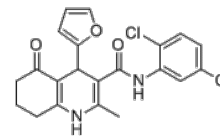


**Product Name** : AR420626  
**Cat. No.** : PC-49032  
**CAS No.** : 1798310-55-0  
**Molecular Formula** : C<sub>21</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 417.286  
**Target** : Free Fatty Acid Receptor (FFAR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

AR420626 is a potent, selective **GPR41/FFA3** agonist with pEC<sub>50</sub> of 5.74 in [<sup>35</sup>S]GTPγS-binding assays, induces apoptosis in HCC cells, including HepG2 and HLE cells.

AR420626 elicits an extrinsic apoptotic pathway and histone deacetylase inhibition, and inhibits growth of HepG2 xenografts.

AR420626 induces apoptosis via the TNF-α-induced extrinsic apoptotic pathway. AR420626 induces apoptosis via activation of the mammalian target of rapamycin complex 1 (mTORC1) pathway in HepG2 cells.

## References

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Said H, et al. *Dig Dis Sci*. 2017 Aug;62(8):1944-1952.

Brian D Hudson, et al. *Mol Pharmacol*. 2014 Aug;86(2):200-10.

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

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