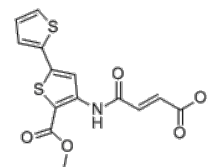


**Product Name** : HTS 01037  
**Cat. No.** : PC-61186  
**CAS No.** : 682741-29-3  
**Molecular Formula** : C<sub>14</sub>H<sub>11</sub>NO<sub>5</sub>S<sub>2</sub>  
**Molecular Weight** : 337.364  
**Target** : FABP  
**Solubility** : 10 mM in DMSO



## Biological Activity

HTS01037 is a highly potent ligand of adipocyte fatty acid binding protein (**A-FABP/aP2**) with  $K_i$  of 0.67  $\mu$ M. HTS 01037 competes with fatty acids for functional binding in the ligand-binding cavity of A-FABP/aP2, antagonizes the protein-protein interaction of A-FABP/aP2 with hormone sensitive lipase in cultured C8PA lipocytes at 10  $\mu$ M. HTS 01037 inhibits lipolysis in 3T3L1 adipocytes and reduces lipopolysaccharide-stimulated inflammation in bone marrow-derived macrophages.

## References

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Steen KA, et al. *Mol Cell Biol*. 2017 Jan 4;37(2). pii: e00282-16.  
Boss M, et al. *Atherosclerosis*. 2015 Jun;240(2):424-30.

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

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