



[www.MedChemExpress.com](http://www.MedChemExpress.com)

Inhibitors, Agonists, Screening Libraries

# FABP

## Fatty acid-binding protein

Fatty acid-binding proteins (FABPs) are members of the intracellular lipid-binding protein (iLBP) family and are involved in reversibly binding intracellular hydrophobic ligands and trafficking them throughout cellular compartments, including the peroxisomes, mitochondria, endoplasmic reticulum and nucleus. FABPs are small, structurally conserved cytosolic proteins consisting of a water-filled, interior-binding pocket surrounded by ten anti-parallel beta sheets, forming a beta barrel. At the superior surface, two alpha-helices cap the pocket and are thought to regulate binding. FABPs have broad specificity, including the ability to bind long-chain (C16-C20) fatty acids, eicosanoids, bile salts and peroxisome proliferators.

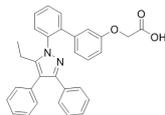
FABPs are ubiquitously expressed throughout tissues that are highly active in FA metabolism and comprise several isoforms. To date, nine FABP protein-coding genes have been identified in the human genome. These include liver (L-FABP), intestine- (I-FABP), heart- (H-FABP), adipocyte- (A-FABP), epidermal- (E-FABP), ileal- (II-FABP), brain- (B-FABP), myelin- (M-FABP) and testis-FABP (T-FABP).

## FABP Inhibitors & Antagonists

### BMS-309403

Cat. No.: HY-101903

BMS-309403 is a potent, selective and cell-permeable inhibitor of adipocyte **fatty acid binding protein (FABP4)** with a  $K_i$  of less than 2 nM, which exhibits  $K_i$  values of 250 nM for FABP3 and 350 nM for FABP5.



**Purity:** 99.05%

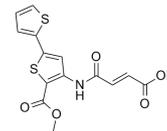
**Clinical Data:** No Development Reported

**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 25 mg

### HTS01037

Cat. No.: HY-101503

HTS01037 is an inhibitor of **fatty acid** binding; and a competitive antagonist of **protein-protein** interactions mediated by AFABP/aP2 with a  $K_i$  of 0.67  $\mu$ M.



**Purity:** 99.76%

**Clinical Data:** No Development Reported

**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg