GPR120

G-protein coupled receptor 120

GPR120 (G-protein coupled receptor 120) is a protein that in humans is encoded by the GPR120 gene. GPR120 is a member of the rhodopsin family of G protein-coupled receptors (GPRs). GPR120 has also been shown to mediate the anti-inflammatory and insulin-sensitizing effects of omega 3 fatty acids. Lack of GPR120 is responsible for reduced fat metabolism, thereby leading to obesity.
### GPR120 Agonists, Antagonists, Activators & Modulators

#### AH-7614
Cat. No.: HY-19996
AH-7614 is a potent and selective FFA4 antagonist, with pIC50s of 7.1, 8.1, and 8.1 for human, mouse, and rat FFA4, respectively. AH-7614 has selectivity for FFA4 over FFA1 (pIC50 < 4.6). AH-7614 is also a negative allosteric modulator (NAM) of FFA4.

- **Purity:** > 98%
- **Clinical Data:** No Development Reported
- **Size:** 1 mg, 5 mg

#### Ginsenoside Rb2
Cat. No.: HY-N0040
Ginsenoside Rb2 is one of the main bioactive components of ginseng extracts. Rb2 can upregulate GPR120 gene expression. Ginsenoside Rb2 has antiviral effects.

- **Purity:** 98.26%
- **Clinical Data:** No Development Reported
- **Size:** 10 mM × 1 mL, 5 mg, 10 mg

#### GPR120 Agonist 2
Cat. No.: HY-111353
GPR120 Agonist 2 is a agonist extracted from patent US 20110313003 A1, example 209.

- **Purity:** 98.12%
- **Clinical Data:** No Development Reported
- **Size:** 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

#### GPR120 modulator 1
Cat. No.: HY-50162
GPR120 modulator 1 is a G protein coupled receptor 120 (GPR120) modulator extracted from patent US8394841B2, compound example F1. GPR120 modulator 1 can be used for the research of diseases associated with abnormal or deregulated GPR120, such as diabetes.

- **Purity:** 98.62%
- **Clinical Data:** No Development Reported
- **Size:** 10 mM × 1 mL, 5 mg, 10 mg, 50 mg

#### GPR120 modulator 2
Cat. No.: HY-50172
GPR120 modulator 2 is a G protein coupled receptor 120 (GPR120) modulator extracted from patent US8394841B2, compound example F13. GPR120 modulator 2 can be used for the research of diseases associated with abnormal or deregulated GPR120, such as diabetes.

- **Purity:** 97.25%
- **Clinical Data:** No Development Reported
- **Size:** 10 mM × 1 mL, 5 mg, 10 mg, 50 mg

#### Grifolic acid
Cat. No.: HY-N3977
Grifolic acid is a phenolic compound that is first extracted from the mushroom Albatrellus confluens. Grifolic acid acts as an agonist of the free fatty acid receptor (FFAR4/GPR120).

- **Purity:** > 98%
- **Clinical Data:** No Development Reported
- **Size:** 1 mg, 5 mg

#### GSK137647A
(GSK 137647)
Cat. No.: HY-19995
GSK137647A is a selective FFA4 agonist, with pEC50 of 6.3, 6.2, and 6.1 for human, Mouse and Rat FFA4, respectively.

- **Purity:** 99.51%
- **Clinical Data:** No Development Reported
- **Size:** 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

#### MEDICA16
Cat. No.: HY-P1123
MEDICA16, an ATP-citrate lyase inhibitor, significantly reduces intracellular TG content in gastrocnemius muscle, and this reduction is accompanied by an increase in insulin sensitivity. MEDICA16 is a selective agonist for GPR40 as well as selective partial agonists for GPR120.

- **Purity:** > 98%
- **Clinical Data:** No Development Reported
- **Size:** 1 mg, 5 mg

#### TUG-891
Cat. No.: HY-100881
TUG-891 is a potent and selective agonist for the long chain free fatty acid (LCFA) receptor 4 (FFA4/GPR120).

- **Purity:** 99.20%
- **Clinical Data:** No Development Reported
- **Size:** 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg

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