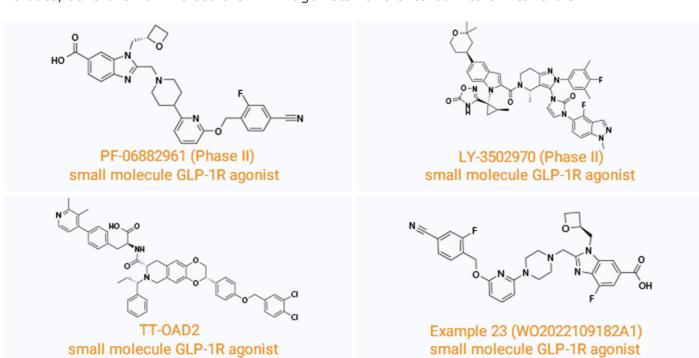


Building Blocks / Pharmaceutical Intermediates / Catalysts & Ligands www.ChemScene.com

Glucagon-like peptide-1 (GLP-1) is secreted from intestinal L cells, and it promotes insulin secretion in a glucose-dependent manner by binding to the GLP-1 receptor (GLP-1R)^[1]. GLP-1R belongs to a family of G-protein coupled receptors and it is highly expressed on pancreatic β cells and large ducts. Activating the GLP-1R has been shown to have beneficial effects on insulin secretion and the maintenance of beta cell glucose sensing, transcription, synthesis, proliferation, and survival. GLP-1R agonists are currently being investigated in connection with type 2 diabetes, obesity, and NASH. GLP-1R agonists include peptides, such as exenatide, liraglutide, and dulaglutide, that have been approved by FDA for the management of type 2 diabetes. Such peptides are predominantly administered by subcutaneous injection and they have poor patient compliance compared to oral administration. Therefore, as an alternative, small molecule GLP-1R agonists can provide a more standard drug formulation and a simpler method of administration. To date, several small molecule GLP-1R agonists have entered into clinical trials^[2-8].



A series of building blocks will be used as molecular fragments in the design of small molecule GLP-1R agonists.

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Cat. No.: CS-0491062 CAS: 1335514-72-1

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Cat. No.: CS-B0858 CAS: 99725-44-7

Cat. No.: CS-M0953 CAS: 185629-31-6

Cat. No.: CS-0169750 CAS: 1803870-78-1

$$N \searrow N \searrow F$$

Cat. No.: CS-0620894 CAS: 2172559-98-5

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Cat. No.: CS-0179909 CAS: 2098741-37-6

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Cat. No.: CS-0099311

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Cat. No.: CS-0179911

CAS: 2639621-84-2

ÑН, Cat. No.: CS-W013346

Cat. No.: CS-0084570 CAS: 3789-59-1 CAS: 1006381-03-8

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