

## Oxyntomodulin (bovine, porcine) (TFA)

## Chemical Properties

CAS No. :

Formula: C192H295N59O60S.xC2HF3O2

Molecular Weight:

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Oxyntomodulin (bovine, porcine) TFA is a 37-amino acid peptide hormone that functions as a glucagon-like peptide 1 (GLP-1) receptor agonist [1].
Targets(IC50)	Glucagon Receptor
In vitro	Oxyntomodulin (bovine, porcine), a gut-derived postprandial peptide hormone, simultaneously targets and activates the glucagon-like peptide-1 receptor (GLP1R) and the glucagon receptor (GCGR). This dual activation leads to more pronounced body weight reduction than that observed with selective GLP1R agonists alone. Produced primarily in the L-cells of the gut, oxyntomodulin is generated through the enzymatic processing of the preproglucagon precursor by prohormone convertase 1/3. As a full agonist on human GLP1R and GCGR in overexpressing cell lines, oxyntomodulin facilitates cAMP accumulation, albeit with lower affinity compared to GLP-1 and glucagon [1].

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