**Product Data Sheet**

**Product Name:** Ibutamoren Mesylate

**CAS No.:** 159752-10-0

**Cat. No.:** HY-50844

**MWt:** 624.77

**Formula:** C28H40N4O8S2

**Purity :** >98%

**Solubility:** DMSO

**Mechanisms:**
Pathways: GPCR/G protein; Target: GHSR

**Biological Activity:**
Ibutamoren mesylate (MK-0677) is an orally active nonpeptide growth hormone (GH) secretagogue.

IC50 Value: Target: GHSR

Ibutamoren mesylate (MK-0677) stimulates GH release through a pituitary and hypothalamic receptor that is different from the GH-releasing hormone receptor. MK-677 is a drug which acts as a potent, orally active growth hormone secretagogue, mimicking the GH stimulating action of the endogenous hormone ghrelin. It has been demonstrated to increase the release of, and produces sustained increases in plasma levels of several hormones including growth hormone and IGF-1, but without affecting cortisol levels. It is currently under development as a potential treatment for reduced levels of these hormones, such as in growth hormone deficient children or elderly adults, and human studies have shown it to increase both muscle mass and bone mineral density, m...

**References:**
[4]. Bennett...

**Caution:** Not fully tested. For research purposes only

Medchemexpress LLC

www.medchemexpress.com