

## IBMX, GMP Grade

**Cat. No.** IBMX-20    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	IBMX (3-Isobutyl-1-methylxanthine) (GMP) is IBMX produced by using GMP guidelines. GMP small molecules works appropriately as an auxiliary reagent for cell therapy manufacture.
<b>Description</b>	IBMX is a broad-spectrum phosphodiesterase (PDE) inhibitor
<b>Form</b>	Solid, White to off-white
<b>Target</b>	Phosphodiesterase (PDE)
<b>In Vitro</b>	IBMX (0.5 mM) induces neural-like cells for neural differentiation of cord blood derived mesenchymal-like stem cells. IBMX induces initiation of the differentiation of programpre-adipocytes. IBMX (500 μM) induces neuronal differentiation of small cell lung cancer. IBMX (100 μM) induces differentiation of 3T3-L1 adipocytes. IBMX (500 μM) induces adipose tissue-derived stem cells (ADSC) differentiate into neuron-like cells.
<b>CAS</b>	28822-58-4
<b>Formula</b>	C <sub>10</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>
<b>Molecular Mass</b>	222.24
<b>Storage</b>	4 centigrade, sealed storage, away from moisture and light

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

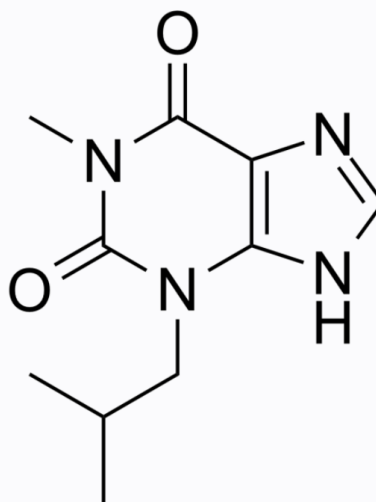
 45-1 Ramsey Road, Shirley, NY 11967, USA


## GENE INFORMATION

**Pathway** Metabolic Enzyme/Protease


**Synonyms** IBMX; 3-Isobutyl-1-methylxanthine; Isobutylmethylxanthine

**Chemical Structure**



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