BMOV

Potent insulin mimetic

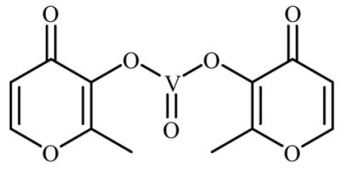
Organic vanadium complex which acts as a potent insulin mimic. It normalizes glucose and lipid values and restores food and fluid intake to control levels in diabetic rats without increasing insulin levels (0.37 mmol/kg). It attenuates hyperinsulinemia and hypertension in spontaneously hypertensive rats. Its mechanism of action includes inhibition of PTP1B as well as other tyrosine phosphatases. The drug is nontoxic *in vitro* at useful concentrations and displays no signs of toxicity in mice at high oral doses.

Citations: 2 View Online »

Ordering Information Order Online »

BML-PR131-0050	50mg

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at room temperature. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Bis(maltolato)oxovanadium (IV)
Appearance	Black solid.
CAS	38213-69-3
Couple Target	PTP
Couple Type	Inhibitor
Formula	$C_{12}H_{10}O_7V$
MW	317.2
Purity	≥96% (TLC)
Solubility	Soluble in water (10mg/ml) and DMSO (15mg/ml).

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