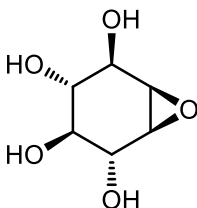




**Catalog # 10-1172**  
**Conduritol B epoxide**

CAS# 6090-95-5  
D,L-1,2-anhydro-myo-inositol  
CBE (synthetic)  
Lot # X101212



$\beta$ -Glycosidase inhibitor.<sup>1,2</sup> May be used for generation of the "Gaucher mouse"<sup>3</sup> and the *in vitro* model of the Gaucher cell<sup>4</sup>.

- 1) Datta and Radin (1988), *Normalization of liver glucosylceramide levels in the "Gaucher" mouse by phosphatidylserine injection*; Biochem. Biophys. Res. Commun., **152** 155
- 2) Radin and Vunnam (1981), *Inhibitors of cerebroside metabolism*; Methods Enzymol., **72** 673
- 3) Stephens *et al.* (1981), *Distribution of conduritol B epoxide in the animal model for gaucher's disease (Gaucher mouse)*; Biochim. Biophys. Acta, **672** 29
- 4) Newburg *et al.* (1986), *beta-Glucosidase inhibition in murine peritoneal macrophages by conduritol-B-epoxide: an in vitro model of the Gaucher cell*; Biochim. Biophys. Acta, **877** 121

**PHYSICAL DATA**

Molecular Weight:	162.14
Molecular Formula:	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Water (up to 25 mg/ml) or DMSO
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase, protect from exposure to moisture. Solutions in water or DMSO may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**