

Product Name	: Ibiglustat (L-Malic acid)
Synonyms	: Ibiglustat L-Malic acid Venglustat (L-Malic acid) SAR402671 (L-Malic acid) GZ402671 (L-Malic acid)
Cat No.	: M26254
CAS Number	: 1629063-78-0
Molecular Formula	: C ₂₄ H ₃₀ N ₃ O ₇ S
Formula Weight	: 523.57
Chemical Name	: —
Description	Ibiglustat (L-Malic acid) is a selective, brain-penetrant, and allosteric inhibitor of glucosylceramide synthase. Ibiglustat (L-Malic acid) can be used in studies about PD Parkinson's disease, SRT in Fabry's and Gaucher's. (In Vitro): Ibiglustat (L-Malic acid) (1 μM) treated Fabry disease cells are close to the physiological level in untreated WT cells in GL-3 levels. Ibiglustat (L-Malic acid) prevents additional GL-3 accumulation and ameliorates the abundant GL-3 levels in FD cardiomyocytes.
Pathway	: Metabolic Enzyme/Protease
Target	: Transferase
Receptor	: tubulin polymerization
Solubility	: In Vitro: ?DMSO : ≥ 100 mg/mL (191.00 mM)
SMILES	: <chem>[C@H](CC(O)=O)(C(O)=O)O.C(NC(O[C@H]1C2CCN(C1)CC2)=O)(C)(C)C=3N=C(SC3)C4=CC=C(F)C=C4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Kalmuk J, et al. Multimodal imaging guided preclinical trials of vascular targeting in prostate cancer. Oncotarget. 2015 Sep 15;6(27):24376-92.