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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Miglustat Impurity 1**

#### Identification:

Chemical Name: (2R,3R,4R,5S)-3,4,5-tris(benzyloxy)-2-((benzyloxy)methyl)-1-butylpiperidine hydrochloride

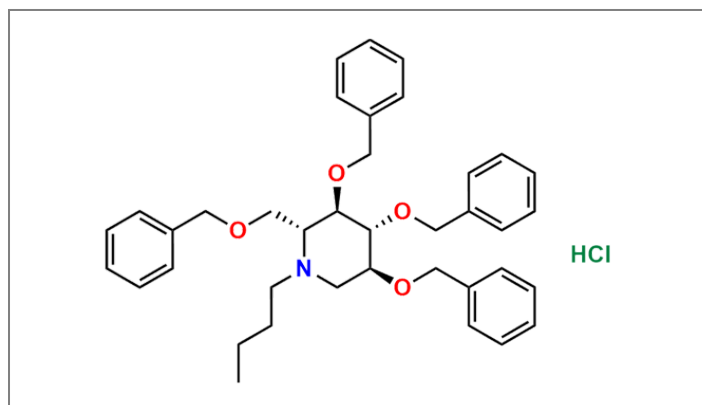
Synonyms : NA

CAS Number : 1938122-78-1

CAT Number : CP-M20004

Molecular Formula : C<sub>38</sub>H<sub>45</sub>NO<sub>4</sub> : HCl

Molecular Weight : 579.8 : 36.46



#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.