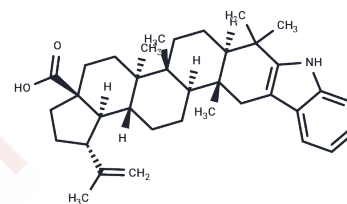


## 2,3-Indolobetulonic Acid

## Chemical Properties

CAS No. :	905837-93-6
Formula:	C <sub>36</sub> H <sub>49</sub> NO <sub>2</sub>
Molecular Weight:	527.793
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	2,3-Indolobetulonic acid is pentacyclic triterpenoid derivative of betulonic acid and an inhibitor of $\alpha$ -glucosidase (IC <sub>50</sub> = 1.8 $\mu$ M).1
Targets(IC <sub>50</sub> )	Others, glycosidase

## Solubility Information

Solubility	DMF: 30 mg/mL (56.84 mM), Sonication is recommended. DMSO: 5 mg/mL (9.47 mM), Sonication is recommended. Ethanol: 5 mg/mL (9.47 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8947 mL	9.4735 mL	18.9469 mL
5 mM	0.3789 mL	1.8947 mL	3.7894 mL
10 mM	0.1895 mL	0.9473 mL	1.8947 mL
50 mM	0.0379 mL	0.1895 mL	0.3789 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Khusnutdinova, E.F., Smirnova, I.E., Kazakova, O.B., et al. Synthesis and evaluation of 2,3-indolotriterpenoids as new  $\alpha$ -glucosidase inhibitors. *Med. Chem. Res.* 262732-2742 (2017)

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