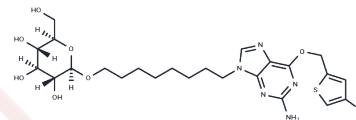


## O6BTG-octylglucoside

## Chemical Properties

CAS No. :	382607-78-5
Formula:	C <sub>24</sub> H <sub>34</sub> BrN <sub>5</sub> O <sub>7</sub> S
Molecular Weight:	616.53
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	O6BTG-octylglucoside is a potent inhibitor of O6-methylguanine-DNA methyltransferase (MGMT) with IC <sub>50</sub> values of 10 nM in HeLa S3 cells and 32 nM in vitro (cell extracts).
Targets(IC <sub>50</sub> )	Others
In vitro	O6BTG-octylglucoside is a potent and non-toxic MGMT inhibitor, demonstrating IC <sub>50</sub> s of 10 nM in HeLa S3 cells and 32 nM in vitro (cell extracts).

## Solubility Information

Solubility	DMSO: 100 mg/mL (162.20 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	1.622 mL	8.1099 mL	16.2198 mL
5 mM	0.3244 mL	1.622 mL	3.244 mL
10 mM	0.1622 mL	0.811 mL	1.622 mL
50 mM	0.0324 mL	0.1622 mL	0.3244 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.

## Reference

Jost Reinhard, et al. Inactivation of O6-methylguanine-DNA methyltransferase by glucose-conjugated inhibitors. Int.J.Cancer. (2001) 93,373-379.

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