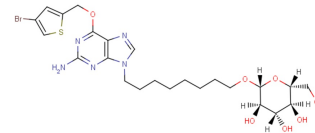


## O6BTG-octylglucoside

## 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:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	O6BTG-octylglucoside is a potent O6-methylguanine-DNA methyl-transferase (MGMT) inhibitor (IC <sub>50</sub> s: 10 nM and 32 nM in HeLa S3 cells and in vitro (cell extracts)).
Targets(IC <sub>50</sub> )	MGMT: 32 nM
In vitro	O6BTG-octylglucoside is a potent and non-toxic MGMT inhibitor, with 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) ( < 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	8.11 mL	16.22 mL
5 mM	0.324 mL	1.622 mL	3.244 mL
10 mM	0.162 mL	0.811 mL	1.622 mL
50 mM	0.032 mL	0.162 mL	0.324 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481