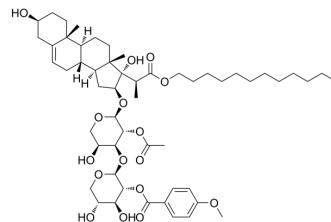


## 23-Oxa-OSW-1

<b>Cat. No.:</b>	HY-148391
<b>CAS No.:</b>	790224-37-2
<b>Molecular Formula:</b>	C <sub>54</sub> H <sub>82</sub> O <sub>16</sub>
<b>Molecular Weight:</b>	987.22
<b>Target:</b>	DNA/RNA Synthesis
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	23-Oxa-OSW-1 (SBF-1), a derivative of <a href="#">OSW 1</a> (HY-101213), is a potent osterol-binding protein (OSBP) inhibitor. 23-Oxa-OSW-1 has antitumor activity <sup>[1][2]</sup> .
<b>In Vitro</b>	23-Oxa-OSW-1 has antitumor activities with IC <sub>50</sub> values of 0.0022, 0.012, and 0.094 μM in HeLa, Jurkat T, and MCF-7 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Shi B, et, al. OSW saponins: facile synthesis toward a new type of structures with potent antitumor activities. *J Org Chem*. 2005 Dec 9;70(25):10354-67.
- [2]. Tan JX, et, al. A phosphoinositide signalling pathway mediates rapid lysosomal repair. *Nature*. 2022 Sep;609(7928):815-821.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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