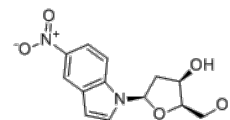


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<b>Product Name</b>	: 5-NIdR
<b>Cat. No.</b>	: PC-62750
<b>CAS No.</b>	: 191421-10-0
<b>Molecular Formula</b>	: C <sub>13</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	: 278.264
<b>Target</b>	: Nucleoside Antimetabolite/Analog
<b>Solubility</b>	: 10 mM in DMSO



## Biological Activity

5-NIdR (5-nitro-indolyl-2'-deoxynucleoside) is a non-natural nucleotide produces cytostatic and cytotoxic effects against human leukemia cells by altering cell-cycle progression.

5-NIdR efficiently and selectively inhibits the replication of DNA lesions, synergizes with temozolomide to increase apoptosis of tumor cells.

5-NIdR causes complete tumor regression combined with Temozolomide in murine xenograft model of glioblastoma

## References

Choi JS, et al. *Cancer Res.* 2018 Feb 15;78(4):1083-1096.

Ahmad MF, et al. *Mol Cancer Ther.* 2012 Oct;11(10):2077-86.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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