

## Product Datasheet

### AGN 193109 sodium (orb2282979)

<b>Description</b>	AGN 193109 is a potent antagonist of retinoic acid receptors (RARs; Kd= 2, 2, and 3 nM for RAR $\alpha$ , $\beta$ , and $\gamma$ , respectively), exhibiting selectivity for RARs over retinoid X receptors (RXRs; Kd= > 10,000 nM for human RXR $\alpha$ , $\beta$ , and $\gamma$ receptors). This compound effectively reverses cellular morphology changes and growth suppression induced by RAR agonists such as all-trans-RA, 13-cis-RA, and 9-cis-RA in ECE16-1 human endometrial ectocervical epithelial cells, particularly when used at a 10-fold molar excess. Furthermore, AGN 193109 downregulates the expression of cytokeratin K5-8, 13, 14, 16, 17, and 19 genes, indicating inhibition of retinoid action, specifically when co-administered with TTNPB but not as a standalone treatment. In vivo studies demonstrate teratogenic effects, including cleft palate, frontonasal dysplasia, and eye malformations in mouse fetuses following a single oral dose of 1 mg/kg.
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Formula</b>	C <sub>28</sub> H <sub>23</sub> O <sub>2</sub> ?Na
<b>Purity</b>	98.00%
<b>MW</b>	414.5
<b>CAS Number</b>	2319838-82-7
<b>SMILES</b>	CC1(C)C=2C(C(=CC1)C3=CC=C(C)C=C3)=CC(C#CC4=CC=C(C(O)=O)C=C4)=C C2.[Na]
<b>Expiration Date</b>	12 months from date of receipt.

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