

## Product Datasheet

### Deoxynivalenol (orb1707387)

<b>Catalog Number</b>	orb1707387
<b>Category</b>	Small Molecules
<b>Description</b>	<p>Deoxynivalenol (Vomitoxin) is a mycotoxin produced by <i>Fusarium</i> spp. of the single trichothecene family and is commonly found in contaminated food and feed. Deoxynivalenol crosses the intestinal mucosa via a cellular bypass at the tight junctions. Deoxynivalenol transporters are unaffected by inhibitors of P-glycoprotein (PgP) or multidrug resistance-associated protein (MRP). Deoxynivalenol commonly causes diarrhea, vomiting, and gastrointestinal inflammation in humans and animals.</p>
<b>Target</b>	Others
<b>Purity</b>	99.84%
<b>MW</b>	296.32
<b>Target Areas</b>	Others
<b>Solubility (25°C)</b>	DMSO:260 mg/mL (877.43 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:5 mg/mL (16.87 mM)
<b>CAS Number</b>	51481-10-8
<b>Formula</b>	C <sub>15</sub> H <sub>20</sub> O <sub>6</sub>
<b>SMILES</b>	<chem>CC1=C[C@H]2O[C@@H]3[C@H](O)C[C@@](C)([C@]33CO3)[C@@]2(CO)[C@H](O)C1=O</chem>
<b>Storage</b>	store at low temperature,keep away from moisture,keep away from direct sunlight   Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only

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