

# Product Datasheet

## MeBIO (orb1306140)

<b>Catalog Number</b>	orb1306140
<b>Category</b>	Small Molecules
<b>Description</b>	MeBIO is a small molecule aryl hydrocarbon receptor agonist that also inhibits GSK-3 and CDK1/CyclinB with IC50 values of 44 and 55 $\mu$ M, respectively, while showing no effect on GSK-3 $\beta$ . It serves as a useful research tool for studying AhR signaling and cell cycle regulation in various in vitro biochemical and cellular assays.
<b>Target</b>	CDK,GSK-3,Aryl Hydrocarbon Receptor
<b>Purity</b>	98.84% (May vary between batches)
<b>MW</b>	370.2
<b>Target Areas</b>	CDK Aryl Hydrocarbon Receptor GSK-3
<b>Solubility (25°C)</b>	DMSO:9 mg/mL (24.31 mM)
<b>CAS Number</b>	667463-95-8
<b>Formula</b>	C <sub>17</sub> H <sub>12</sub> BrN <sub>3</sub> O <sub>2</sub>
<b>SMILES</b>	CN1C(=O)\C(=C2/Nc3cccc3/C/2=N\O)c2ccc(Br)cc12
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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