

## Product Information

### AhR inhibitor, FICZ, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM459

**Size:** 1 mg; 5 mg; 10 mg; 50 mg

**CAS Number:** 172922-91-7

**Synonym:** 172922-91-7; 6-Formylindolo[3; 2-b]carbazole; AhR inhibitor

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

<b>Description</b>	FICZ, soluble in DMSO and insoluble in water and ethanol, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting AhR. The molecular weight of the compound is 284.31, and its molecular formula is $C_{19}H_{12}N_2O$ .
<b>Molecular Weight</b>	284.31
<b>Molecular Formula</b>	$C_{19}H_{12}N_2O$
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Solubility</b>	<i>In vitro</i> : DMSO: 54 mg/mL (189.93 mM); Water: insoluble; Ethanol: insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	FICZ can be used for its roles in cell signaling and environmental response.
<b>Storage</b>	Store at $-20^{\circ}C$ , and keep desiccated.