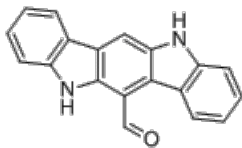


Product Name	: FICZ	
Synonyms	: FICZ	
Cat No.	: M12626	
CAS Number	: 172922-91-7	
Molecular Formula	: C ₁₉ H ₁₂ N ₂ O	
Formula Weight	: 284.31	
Chemical Name	: 5,11-dihydro-indolo[3,2-b]carbazole-6-carboxaldehyde	
Description	: FICZ is a high affinity aryl hydrocarbon receptor (AhR) agonist with K _d of 70 pM; induces transient expression of CYP1A1 in vitro, and potentiates NK cell IFN-γ production and cytolytic activity; enhances NK cell control of tumors in an NK cell- and AhR-dependent manner in vivo; an endogenous AhR ligand.	
Pathway	: Endocrinology/Hormones	
Target	: AhR	
Receptor	: AhR	
Solubility	: DMSO : 10 mg/mL 35.17 mM	
SMILES	: <chem>O=CC1=NC2=CC=CC=C2C1=C3=C4C3=NC5=CC=CC=C5C4=CC=CC=C5</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Rannug U, et al. Chem Biol. 1995 Dec;2(12):841-5. | 2. Wincent E, et al. J Biol Chem. 2009 Jan 30;284(5):2690-6. | 3. Shin JH, et al. Proc Natl Acad Sci U S A. 2013 Jul 23;110(30):12391-6.