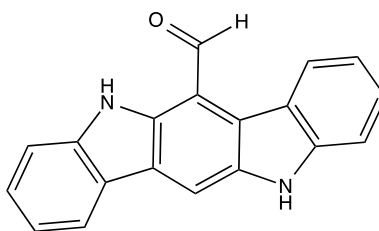


Catalog # 10-1463
6-Formylindolo[3,2-b]carbazole

FICZ

CAS# 172922-91-7

Lot # FBM2123



Very potent ($K_d = 0.07$ nM) endogenous ligand for the aryl hydrocarbon receptor (AhR).^{1,2}

- 1) Rannung *et al* (1987) *Certain photooxidized derivatives of tryptophan bind with very high affinity to the Ah receptor and are likely to be endogenous signal substances.* J.Biol.Chem. **262** 15422.
- 2) Wincent *et al.* (2009) *The Suggested Physiologic Aryl Hydrocarbon Receptor Activator and Cytochrome P4501 Substrate 6-Formylindolo[3,2-b]carbazole is Present in Humans.* J.Biol.Chem. **284** 2690

PHYSICAL DATA

Molecular Weight:	284.32
Molecular Formula:	C ₁₉ H ₁₂ N ₂ O
Purity:	>95% (TLC: 100% Methylene chloride; R _f = 0.30)
Solubility:	DMSO (up to 10 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at -80° for up to one year from the date of purchase. Solutions in DMSO may be stored at -80°C for up to 1 month.

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