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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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6-Formylindolo(3,2-B)Carbazole

Ah receptor ligand
Catalog No. SIH-383



Discovery through partnership | Excellence through quality

Overview

Product Name

6-Formylindolo(3,2-b)carbazole

Description

Ah receptor ligand

Purity

>95%

CAS No.

172922-91-7

Molecular Formula

C11H11NO

Molecular Weight

284.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Ligand

Solubility

Soluble in DMSO (10 mg/ml)

Source

Synthetic

Appearance

Yellow solid

SMILES

C1=CC=C2C(=C1)C3=CC4=NC5=CC=CC=C5C4=C(C3=N2)C=O

InChI

InChI=1S/C19H10N2O/c22-10-14-18-12-6-2-4-8-16(12)20-17(18)9-13-11-5-1-3-7-15(11)21-19(13)14/h1-10H

InChIKey

OTWFDHQTFRXXSAK-UHFFFAOYSA-N

Safety Phrases

Classification: Caution. Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S24/25 - Avoid contact with skin and eyes

Cite This Product

6-Formylindolo(3,2-b)carbazole (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-383)

Biological Description

Alternative Names

Indolo[3,2-b]carbazole-6-carbaldehyde, FICZ

Research Areas

Cell Signaling

PubChem ID

22245026

Scientific Background

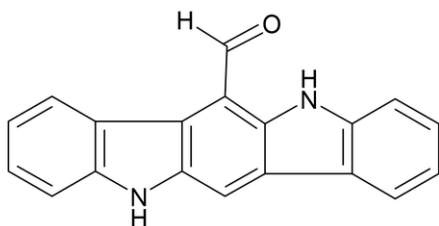
A tryptophan-derived, high affinity aryl hydrocarbon receptor ligand ($K_d=7 \times 10^{-11}$ M). Proposed to be an endogenous AhR ligand. Induces rapid and transient expression of cytochrome P450-1A1 (CYP1A1) in human cells at 100 pM.

References

1. Wei Y.D., et al. (1998) Chem. Biol. Interact. 110(1-2): 39-55.
 2. Rannug U., et al. (1995) Chem. Biol. Drug. Des. 2(12): 841-855.
 3. Rannug A., et al. (1987) J. Biol. Chem. 262(32): 15422-7.
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Product Images

Chemical structure of 6-Formylindolo(3,2-b)carbazole (SIH-383), a Ah receptor ligand. CAS #: 172922-91-7. Molecular Formula: C₁₉H₁₂N₂O. Molecular Weight: 284.3 g/mol.

**Product Citations (0)**

Currently there are no citations for this product.

Reviews

There are no reviews yet.