

Catalog	Unit
TBI3089-5MG	5 mg
TBI3089-25MG	25 mg

Product Details

Formal Name: 1-Methyl-N-[2-methyl-4-[2-(2-methylphenyl)diazenyl]phenyl]-1H-pyrazole-5-carboxamide

Molecular Formula: C₁₉H₁₉N₅O

Formula Weight: 333.39

CAS Number: 301326-22-7

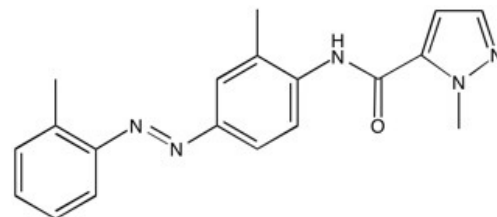
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 10 mg/ml with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Arylhydrocarbon receptor antagonist

Functions

Arylhydrocarbon (AhR) receptor antagonist, IC₅₀=30 nM. Blocks endogenous AhR agonist-induced differentiation of Th17 cells. Promotes expansion of human hematopoietic stem cells. Mitigates cytokine-mediated inflammatory signaling in human fibroblast-like synoviocytes. An important tool for probing the involvement of AhR in the toxicity of various environmental toxins such as TCDD and other dioxins.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.