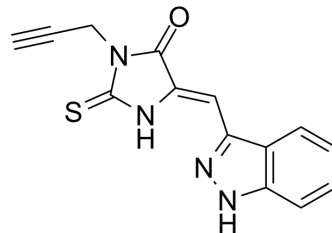


## AHR agonist 4

Cat. No.:	HY-155505
CAS No.:	2953023-30-6
Molecular Formula:	C <sub>14</sub> H <sub>10</sub> N <sub>4</sub> OS
Molecular Weight:	282.32
Target:	Aryl Hydrocarbon Receptor
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

AHR agonist 4 (compound 24e) is an agonist of Aryl hydrocarbon receptor (AHR), associated with the immune balance of Th17/22 and Treg cells. AHR agonist 4 serves as a lead compound for anti-psoriasis drug, alleviates imiquimod (IMQ)-induced psoriasis-like skin lesion<sup>[1]</sup>. AHR agonist 4 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Zhang G, et al. Discovery of 5-((1H-indazol-3-yl)methylene)-2-thioxoimidazolidin-4-one derivatives as a new class of AHR agonists with anti-psoriasis activity in a mouse model. *Bioorg Med Chem Lett.* 2023 Jun 20;92:129383.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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