

Product Datasheet

BAY 2416964

Catalog No. **BP-01994** · CAS **2242464-44-2** · Form **free base** · Physical state **solid** · Color **Light yellow to green yellow** · Version **1.0** · Revision **2026-09-10**

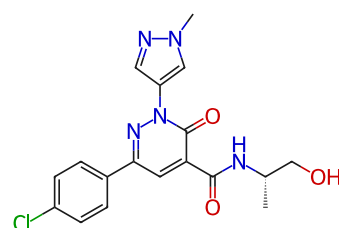
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Target Aryl Hydrocarbon Receptor	Research area Cancer
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Molecular formula **C₁₈H₁₈ClN₅O₃**

Molecular weight **387.8200**

STRUCTURE



DESCRIPTION

BAY 2416964 is a potent and orally active aryl hydrocarbon receptor (AHR) antagonist extracted from patent WO2018146010A1, example 192, has an IC₅₀ of 341 nM. BAY 2416964 has the potential for solid tumors treatment.

BIOLOGICAL ACTIVITY

In Vitro

BAY 2416964 (Example 192) induces AHR-regulated gene CYP1A1 expression in a human monocytic U937 cells with an IC₅₀ of 4.3 nM.

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Kober, Christina et al. "Targeting the aryl hydrocarbon receptor (AhR) with BAY 2416964: a selective small molecule inhibitor for cancer immunotherapy." Journal for immunotherapy of cancer vol. 11,11 (2023): e007495. doi:10.1136/jitc-2023-007495

[2]. Ilona GUTCHER, et al. 2-heteroaryl-3-oxo-2,3-dihydropyridazine-4-carboxamides for the treatment of cancer. WO2018146010A1

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