

Product Datasheet

GSK-843

Catalog No. **BP-02222** · CAS **1601496-05-2** · Form **free base** · Physical state **other** · Color **Light yellow to yellow** · Version **1.0** · Revision **2026-09-02**

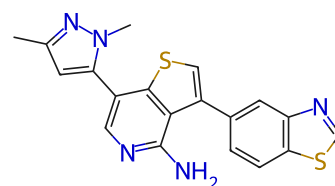
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Target RIP kinase; Apoptosis	Research area Inflammation/Immunology
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Molecular formula **C₁₉H₁₅N₅S₂**

Molecular weight **377.4860**

STRUCTURE



DESCRIPTION

GSK-843 (GSK'843) is a receptor-interacting protein kinase 3 (RIP3 or RIPK3) inhibitor, which binds RIP3 kinase domain with an IC₅₀ of 8.6 nM, and inhibits kinase activity with an IC₅₀ of 6.5 nM. GSK-843 can be used for the research of inflammation .

BIOLOGICAL ACTIVITY

GSK-843 (3-10 μM; 18 h) induces apoptosis

GSK-843 (0.3-3 μM; 18 h) suppresses TNF-induced death and virus-induced cell necrosis

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 50 mg/mL

REFERENCES

[1].Mandal P, et al. RIP3 induces apoptosis independent of pronecrotic kinase activity. Mol Cell. 2014 Nov 20;56(4):481-95.

[2].Kaiser WJ, et al. Toll-like receptor 3-mediated necrosis via TRIF, RIP3, and MLKL. J Biol Chem. 2013 Oct 25;288(43):31268-79.