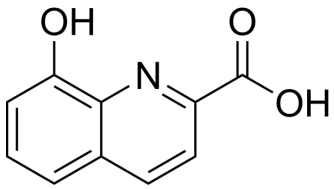
BAY32-5915

Cat. No.:	HY-W067427
CAS No.:	1571-30-8
Molecular Formula:	$C_{10}H_7NO_3$
Molecular Weight:	189.17
Target:	IKK
Pathway:	NF-κB

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (660.78 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	5.2863 mL	26.4313 mL	52.8625 mL
5 mM	1.0573 mL	5.2863 mL	10.5725 mL
10 mM	0.5286 mL	2.6431 mL	5.2863 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

BAY32-5915 is a potent IKKα inhibitor with an IC_{50} value of 60 nM. BAY32-5915 has not affect Doxorubicin (HY-15142A)-induced NF-κB activation[1].

IC_{50} & Target

IKK-α
60 nM (IC_{50})

In Vitro

BAY32-5915 (50-200 μM) has no significant inhibitory effect on NF-κB activity in melanoma cells[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pletz N, et, al. Doxorubicin-induced activation of NF-κB in melanoma cells is abrogated by inhibition of IKKβ, but not by a novel IKKα inhibitor. Exp Dermatol. 2012 Apr;21(4):301-4.

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

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