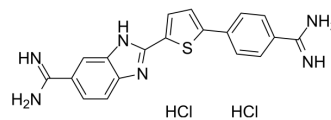


DB818 dihydrochloride

Cat. No.:	HY-122623A
Molecular Formula:	C ₁₉ H ₁₈ Cl ₂ N ₆ S
Molecular Weight:	433.36
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (11.54 mM; Need ultrasonic and warming)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.3076 mL	11.5378 mL	23.0755 mL	
5 mM	0.4615 mL	2.3076 mL	4.6151 mL	
10 mM	0.2308 mL	1.1538 mL	2.3076 mL	

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

BIOLOGICAL ACTIVITY

Description

DB818 dihydrochloride is the dihydrochloride salt form of DB818 (HY-122623). DB818 dihydrochloride is an inhibitor for Homeobox A9 (HOXA9). DB818 dihydrochloride reduces the formation of HOXA9-DNA complexes, inhibits the growth and induces apoptosis in AML cell lines OCI/AML3, MV4-11, and THP-1^[1].

REFERENCES

[1]. Sonoda Y, et al. Effects of HOXA9 Inhibitor DB818 on the Growth of Acute Myeloid Leukaemia Cells. *Anticancer Res.* 2021 Apr;41(4):1841-1847.

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

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