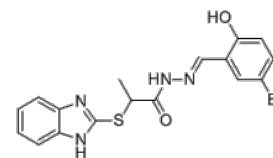


Product Name : KH7
Cat. No. : PC-60892
CAS No. : 330676-02-3
Molecular Formula : C₁₇H₁₅BrN₄O₂S
Molecular Weight : 419.297
Target : Adenylate Cyclase
Solubility : 10 mM in DMSO



Biological Activity

KH7 is a potent, specific **soluble adenylyl cyclase** (sAC) inhibitor that inhibits Mn²⁺-dependent sAC with IC₅₀ of 2.7 μM. KH7 inhibits physiologically stimulated sAC with similar potency with IC₅₀ of 8.0 μM. KH7 completely blocks the capacitation-induced rise in cAMP in wild-type sperm at 10 μM, inhibits in vitro fertilization.

References

Bitterman JL, et al. *J Pharmacol Exp Ther.* 2013 Dec;347(3):589-98.

Hess KC, et al. *Dev Cell.* 2005 Aug;9(2):249-59.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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