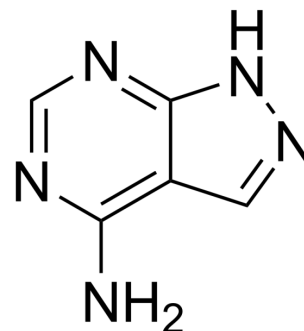


Pyrazoloadenine

Cat. No.:	HY-34595
CAS No.:	2380-63-4
Molecular Formula:	C ₅ H ₅ N ₅
Molecular Weight:	135.13
Target:	RET
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Pyrazoloadenine is a potent RET (REarranged during Transfection) lung cancer oncoprotein inhibitor. Pyrazoloadenine shows anticancer activity ^{[1][2]} .
In Vitro	Pyrazoloadenine inhibits a wide range of protein kinases such as BTK (Bruton's tyrosine kinase), CDK1/2 (cyclin-dependent kinase 1/2), Src kinase, and RIPK1 (receptor-interacting protein kinase) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Saha D, et al. Pyrazoloadenine Inhibitors of the RET Lung Cancer Oncoprotein Discovered by a Fragment Optimization Approach. ChemMedChem. 2021 May 18;16(10):1605-1608.
- [2]. SKIPPER HE, et al. Inhibition of experimental neoplasms by 4-aminopyrazolo (3, 4-d) pyrimidine. Proc Soc Exp Biol Med. 1955 Aug;89(4):594-6.

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

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