

Product Information

4-Aminoantipyrine, Purity $\geq 98\%$

Cat. No.: X24-09-YM1377

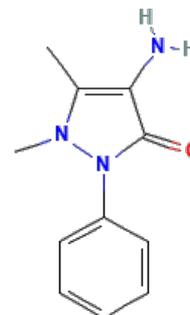
Size: 500 mg; 1 g; 2 g; 5 g

MDL: MFCD00003145

CAS Number: 83-07-8

Compound CID: 2151

Synonym: 83-07-8; 4-Aminophenazone; Metapirazone; Aminoantipyrine; 4-Aminoantipyrine; Solvapyrin-A; Aminoantipyrin; Aminoazophene; Solnapyrin-A; Aminoazophenazone; 4-AAP; 4-Amino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one; 4-Amino-1,5-dimethyl-2-phenylpyrazol-3-one



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	4-Aminoantipyrine, soluble in DMSO, water, and ethanol, is a metabolite of aminopyrine. The molecular weight of the compound is 203.24, and its molecular formula is $C_{11}H_{13}N_3O$.
Molecular Weight	203.24
Molecular Formula	$C_{11}H_{13}N_3O$
IUPAC Name	4-Amino-1,5-dimethyl-2-phenylpyrazol-3-one
InChI	InChI=1S/C11H13N3O/c1-8-10(12)11(15)14(13(8)2)9-6-4-3-5-7-9/h3-7H,12H2,1-2H3
InChI Key	RLFWWDJHLFCNIJ-UHFFFAOYSA-N
Canonical SMILES	<chem>CC1=C(C(=O)N(N1C)C2=CC=CC=C2)N</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 35 mg/mL (172.21 mM); Water: 35 mg/mL (172.21 mM); Ethanol: 35 mg/mL (172.21 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	4-Aminoantipyrine can be used for its anti-inflammatory properties by modulating pain and inflammatory responses.



Storage

Store at -20°C, and keep desiccated.
