

Product Datasheet

6-Methylthio-IMP (orb64765)

Description	6-Methylthio-IMP
Form/Appearance	solution in water; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	10 mM-11 mM
Storage	store at -20 °C
Note	For research use only
Application notes	Catabolism by purine-5'-nucleotidase Transport by multidrug resistance proteins MRP4 and MRP5 Strong inhibitor of purine synthesis de novo. Spectroscopic Propertie: λ _{max} 224/292 nm, ε 11.5/19.0 L mmol ⁻¹ cm ⁻¹ , (Tris-HCl pH 7.5).
Formula	C ₁₁ H ₁₅ N ₄ O ₇ PS
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 378.29 g/mol (free acid); Detected MW: 378.04 g/mol (free acid)
CAS Number	7021-52-5
SMILES	CSc1c2c(n([C@H]3[C@@H]([C@@H]([C@H](O3)COP(=O)(O)O)O)O)O)cn2)ncn1
Expiration Date	12 months from date of receipt.