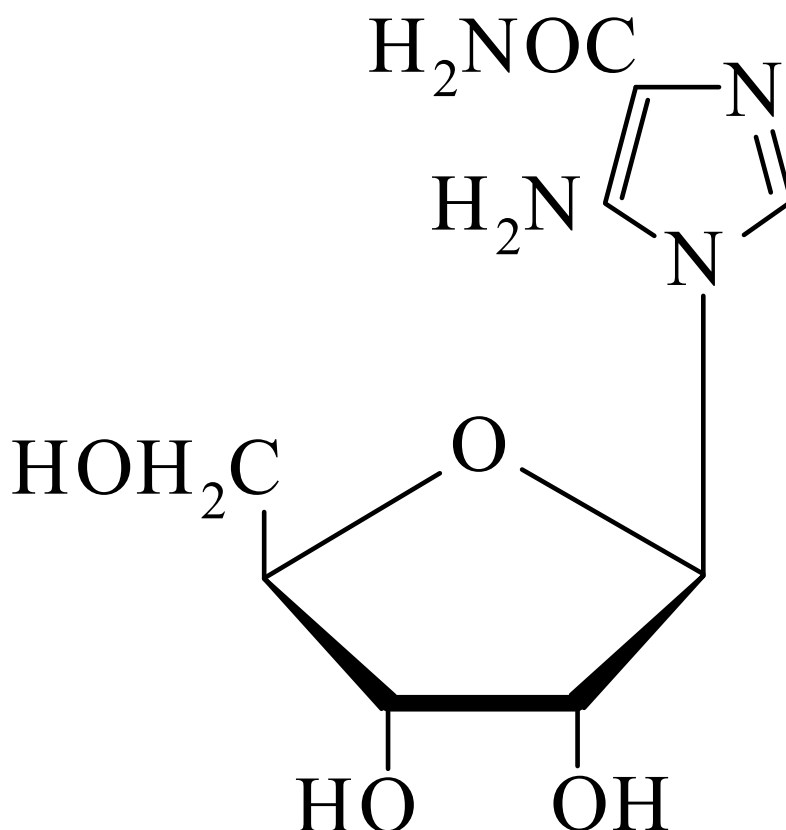




>>Acadesine, BAN, INN, USAN



ENTRY UNDER REVIEW

5-Amino-1-ribofuranosyl-1*H*-imidazole-4-carboxamide, 9Cl. AICA-Riboside. AICAR. GP 1-110
BWN20-Z

[2627-69-2]

Classification:AF9900 XA5970 XA2290

C₉H₁₄N₄O₅ M 258.233. 258.096421. C 41.86%; H 5.46%; N 21.70%; O 30.98%

Accumulates in the culture medium of *E. coli* under sulfonamide stasis. Manuf. by *Bacillus pumilus* and *Bacillus subtilis*. Platelet aggregation inhibitor. Pink rosettes (EtOH). BERDY SOL: Sol. H₂O. Mp 215-216 dec.
°. [α]_D²⁷ -62.4 (c, 0.5 in H₂O). Log P -2.97 (calc).

Supplier: Sigma:A8129

>>Picrate: BWN22-B [24418-25-5] Mp 146-147°

>>2',3',5'-Tri-Ac: BWN26-F [23274-21-7] Classification:AF9900. C₁₅H₂₀N₄O₈ M 384.345. 384.128116. C 46.88%; H 5.24%; N 14.58%; O 33.30%. Mp 69° (88-90°, 130-131°). [α]_D²⁷ -30.5 (c, 1.0 in EtOH)

>>N,2',3',5'-Tetra-Ac: BWN27-G [37805-74-6] Classification:AF9900. C₁₇H₂₂N₄O₉ M 426.382. 426.138681. C 47.89%; H 5.20%; N 13.14%; O 33.77%. Cryst. (EtOH). Mp 208-209°. [α]_D²⁶ +2.9 (c, 0.51 in CHCl₃)

>>2',3'-O-Isopropylidene, 5'-Ac: BWN25-E Classification:AF9900. C₁₄H₂₀N₄O₆ M 340.335. 340.138286. C 49.41%; H 5.92%; N 16.46%; O 28.21%. Mp 168-169°