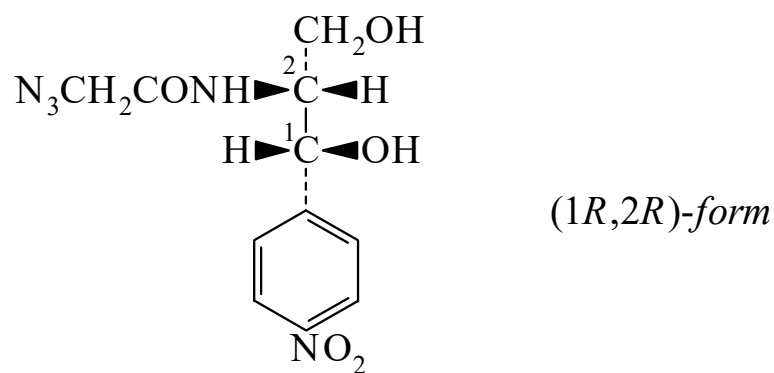




>>Entry Name: **Azidamfenicol**, BAN, INN

Synonym(s): 2-Azido-*N*-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide, 9Cl. 2-(Azidoacetamido)-1-(4-nitrophenyl)-1,3-propanediol. Azidoamphenicol. Leukomycin N. Thilocanfol. Thiolocof. AAM. Bayer 52910



Molecular Formula: C₁₁H₁₃N₅O₅

Molecular Weight: 295.254

Accurate Mass: 295.09167

Percentage Composition: C 44.75%; H 4.44%; N 23.72%; O 27.09%

Use/Importance: Antibiotic

>>Variant: (1*R*,2*R*)-form

CAS Registry Number: 13838-08-9

Molecular Formula: C₁₁H₁₃N₅O₅

Molecular Weight: 295.254

Accurate Mass: 295.09167

Percentage Composition: C 44.75%; H 4.44%; N 23.72%; O 27.09%

Melting Point: Mp 107°

Optical Rotation: [α]_D²⁰ -20 (c, 1.6 in EtOAc)

Solubility: Sol. H₂O

>>Variant: (1*R*S,2*R*S)-form

CAS Registry Number: 39909-61-0

Molecular Formula: C₁₁H₁₃N₅O₅

Molecular Weight: 295.254

Accurate Mass: 295.09167

Percentage Composition: C 44.75%; H 4.44%; N 23.72%; O 27.09%

Melting Point: Mp 120-121°

References:

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Nielsen, P.E. *et al.*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 662, (*synth, pharmacol*)

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