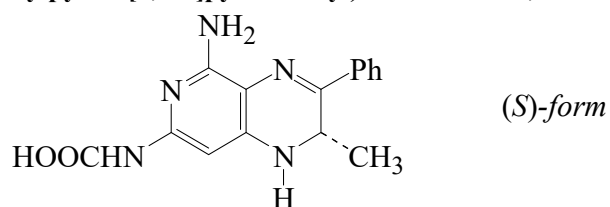




>>Entry Name: (5-Amino-1,2-dihydro-2-methyl-3-phenylpyrido[3,4-*b*]pyrazin-7-yl)carbamic acid, 9CI



Related CAS Registry Numbers(s): 83269-10-7 121572-62-1 127189-78-0 154387-06-1

Molecular Formula: C₁₅H₁₅N₅O₂

Molecular Weight: 297.316

Accurate Mass: 297.122575

Percentage Composition: C 60.60%; H 5.08%; N 23.56%; O 10.76%

>>Variant: (*R*)-form

Molecular Formula: C₁₅H₁₅N₅O₂

Molecular Weight: 297.316

Accurate Mass: 297.122575

Percentage Composition: C 60.60%; H 5.08%; N 23.56%; O 10.76%

>>Derivative: Et ester

Synonym(s): NSC 613863

CAS Registry Number: 122332-17-6

Physical Description: Fluffy yellow solid

Optical Rotation: [α]_D²⁵+675 (c, 0.5 in MeOH)

Other Data: Mp >155° (dec.)

>>Variant: (*S*)-form

Molecular Formula: C₁₅H₁₅N₅O₂

Molecular Weight: 297.316

Accurate Mass: 297.122575

Percentage Composition: C 60.60%; H 5.08%; N 23.56%; O 10.76%

>>Derivative: Et ester

Synonym(s): Mivobulin, INN. CI 980. NSC 613862

CAS Registry Number: 122332-18-7

Molecular Formula: C₁₇H₁₉N₅O₂

Molecular Weight: 325.369

Accurate Mass: 325.153875

Percentage Composition: C 62.76%; H 5.89%; N 21.52%; O 9.83%

Biological Use/Importance: Potent cellular microtubule and mitotic inhibitor. Antineoplastic agent

Optical Rotation: [α]_D²⁵−688 (c, 0.5 in MeOH)

Other Data: Mp >155° (dec.)

>>Derivative: Et ester; 2-hydroxyethanesulfonate

Synonym(s): Mivobulin isethionate, USAN. CI 980. NSC 613862

CAS Registry Number: 126268-81-3

Biological Use/Importance: Tubulin-binding mitotic inhibitor. Antineoplastic agent

Development Status: Pediatric phase I and adult phase II clinical trials (1997)

Other Data: Originally synth. as a potential folate antagonist

>>Variant: (±)-form

Molecular Formula: C₁₅H₁₅N₅O₂

Molecular Weight: 297.316

Accurate Mass: 297.122575

Percentage Composition: C 60.60%; H 5.08%; N 23.56%; O 10.76%