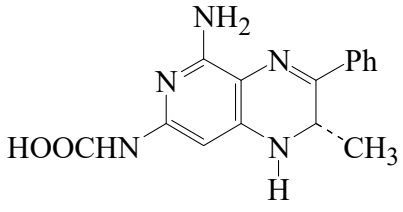
>>**Entry Name: (5-Amino-1,2-dihydro-2-methyl-3-phenylpyrido[3,4-*b*]pyrazin-7-yl)carbamic acid,** 9CI



(*S*)-*form*

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

Molecular Formula: $C_{15}H_{15}N_5O_2$
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: $C_{15}H_{15}N_5O_2$
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: $[\alpha]_D^{25}$+675 (c, 0.5 in MeOH)
Other Data: Mp >155° (dec.)

>>**Variant:** (*S*)-form

Molecular Formula: $C_{15}H_{15}N_5O_2$
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: $C_{17}H_{19}N_5O_2$
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: $[\alpha]_D^{25}$–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: $C_{15}H_{15}N_5O_2$
Molecular Weight: 297.316
Accurate Mass: 297.122575
Percentage Composition: C 60.60%; H 5.08%; N 23.56%; O 10.76%