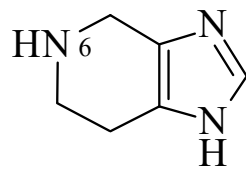




>>Entry Name: 4,5,6,7-Tetrahydro-1*H*-imidazo[4,5-*c*]pyridine, 9Cl

Synonym(s): Spinaceamine



CAS Registry Number: 6882-74-2

Related CAS Registry Numbers(s): 64403-23-2

Molecular Formula: C₆H₉N₃

Molecular Weight: 123.157

Accurate Mass: 123.079647

Percentage Composition: C 58.52%; H 7.37%; N 34.12%

Biological Source: Isol. from skin extracts of the amphibians *Leptodactylus pentadactylus labyrinthicus*, *Nictimystes disrupta* and *Litoria moorei*

Use/Importance: Shows antimicrobial activity

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 62002-31-7

Melting Point: Mp 277-279 dec.°

>>Derivative: Dipicrate

Melting Point: Mp 224-225 dec.°

>>Derivative: *N*⁶-Me

Synonym(s): 6-Methylspinaceamine

Molecular Formula: C₇H₁₁N₃

Molecular Weight: 137.184

Accurate Mass: 137.095297

Percentage Composition: C 61.29%; H 8.08%; N 30.63%

Biological Source: Isol. from the skin of *Leptodactylus pentadactylus labyrinthicus* and *Nictimystes disrupta*

Use/Importance: Shows antimicrobial activity

>>Derivative: *N*⁶-Me; hydrochloride (1:2)

Melting Point: Mp 272-274 dec.°

>>Derivative: *N*⁶-Me; dipicrate

Melting Point: Mp 230-231°

References:

- Erspamer, V. *et al.*, *Experientia*, 1963, **19**, 346, (*occur*)
Erspamer, V. *et al.*, *Arch. Biochem. Biophys.*, 1964, **105**, 620, (*occur*)
Vitali, T. *et al.*, *Gazz. Chim. Ital.*, 1964, **94**, 296, (*pmr, struct, synth*)
Nardelli, M. *et al.*, *Ric. Sci., Parte 2: Sez. A*, 1964, **7**, 718; *CA*, **63**, 12440g, (*cryst struct*)
Roseghini, M. *et al.*, *Comp. Biochem. Physiol., C: Comp. Pharmacol.*, 1976, **54**, 31, (*occur*)
Habermehl, G.G. *et al.*, *Heterocycles*, 1976, **5**, 127, (*synth*)
Roseghini, M. *et al.*, *Z. Naturforsch., C*, 1976, **31**, 118, (*occur*)