



**Other Data:** Incorr. descr. as an *N*-monomethyl compd. in *CA*

>>Derivative:  $N^{20}, N^{20}$ -Di-Me

Synonym(s): Irehdiamine F

CAS Registry Number: 52617-39-7

Molecular Formula:  $C_{23}H_{40}N_2$

Molecular Weight: 344.582

Accurate Mass: 344.319148

Percentage Composition: C 80.17%; H 11.70%; N 8.13%

Biological Source: Alkaloid from *Vahadenia laurentii* root cortex (Apocynaceae)

>>Derivative:  $N^{20}, N^{20}$ -Di-Me,  $N^3$ -Ac

Synonym(s): *N*-Acetylirehdiamine F

CAS Registry Number: 52342-67-3

Molecular Formula:  $C_{25}H_{42}N_2O$

Molecular Weight: 386.62

Accurate Mass: 386.329713

Percentage Composition: C 77.67%; H 10.95%; N 7.25%; O 4.14%

Biological Source: Alkaloid from stem bark of *Didymeles* cf. *madagascariensis* (Didymelaceae)

>>Derivative:  $N^3, N^3, N^{20}$ -Tri-Me,  $N^{20}$ -Ac

Synonym(s): Saracocine. Alkaloid C‡

CAS Registry Number: 15437-93-1

Molecular Formula:  $C_{26}H_{44}N_2O$

Molecular Weight: 400.646

Accurate Mass: 400.345363

Percentage Composition: C 77.95%; H 11.07%; N 6.99%; O 3.99%

Biological Source: Alkaloid from the leaves of *Sarcococca pruniformis* (Buxaceae)

Physical Description: Cryst. (Me<sub>2</sub>CO)

Melting Point: Mp 231°

Optical Rotation:  $[\alpha]_D^{20} -58$  (CHCl<sub>3</sub>)

>>Derivative:  $N^3, N^3, N^{20}, N^{20}$ -Tetra-Me

Synonym(s): Kurchessine. Irehdiamine I. Saracodinine

CAS Registry Number: 6869-45-0

Molecular Formula:  $C_{25}H_{44}N_2$

Molecular Weight: 372.636

Accurate Mass: 372.350448

Percentage Composition: C 80.58%; H 11.90%; N 7.52%

Biological Source: Alkaloid from *Holarrhena antidysenterica*, *Pachysandra terminalis*, *Sarcococca pruniformis* and *Malouetia tamaquarina* (Apocynaceae, Buxaceae)

Melting Point: Mp 140-141°

Optical Rotation:  $[\alpha]_D^{20} -37$  (c, 1.9 in CHCl<sub>3</sub>)

>>Variant: (3 $\alpha$ ,20*R*)-form

CAS Registry Number: 17934-39-3

Molecular Formula:  $C_{21}H_{36}N_2$

Molecular Weight: 316.529

Accurate Mass: 316.287848

Percentage Composition: C 79.69%; H 11.46%; N 8.85%

Melting Point: Mp 158°

Optical Rotation:  $[\alpha]_D -66$  (CHCl<sub>3</sub>)