

Species Datasheet

Datasheet No. A-377.009.022
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Barleria prionitis* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Barleria prionitis* var. *angustissima* Hochr., *B. prionitis* var. *diacantha* Blatt. & Hallb., *B. prionitis* subsp. *madagascariensis* Benoist, *B. prionitis* subsp. *Prionitis*, *B. prionitis* var. *pubescens* Kuntze, *B. prionitis* var. *setosa* Klotzsch

3. Systematic Position:

APG IV (2016)

Kingdom: Plantae

Clade: Angiosperms

Clade: Eudicot

Clade: Asterids

Order: Lamiales Bromhead

Family: Acanthaceae Juss.

Genus: *Barleria* L.

Species: *B. prionitis* L.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Dicotyledons

Subclass: Gamopetalae

Series: Bicarpellatae

Cohors: Personales

Ordo: Acanthaceae Juss.

Genus: *Barleria* L.

Species: *B. prionitis* L.

4. Distribution:

Global: Malaysia, Pakistan, Philippines, India, Sri Lanka, Tropical Africa and Yemen.

India: Throughout.

5. Indigenous/Exotic/Endemic; Cultivated/Wild:

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Shrub. Grows in ravines and shady habitats in deciduous forests and also cultivated in gardens.

8. **Life Form:** Chamaephytes

9. **Economic Importance:** Medicinal, Ornamental.

10. Probable Progenitor of:

11. DNA

C- Value Methodology

12. Basic chromosome number(s):

13. **Zygotic chromosome number(s):** $2n=40^{16}$

14. **Gametic chromosome number(s):** $n=20^{16}$

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agametoploidy

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype –

Chromosome size -

NOR chromosome(s) -

Degree of asymmetry:

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis. 20II¹⁶

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stain ability; Translocations etc):