

# Species Datasheet

Datasheet No. G-011.006.003  
(family.genus.species)

## 1.Taxon:

Species: *Cupressus funebris* Endl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

**2. Synonyms:** *Chamaecyparis funebris* (Endl.) Franco, *Cupressus funebris* var. *gracilis* Carriere, *C. pendula* Abel, *Juniperus quaternata* Miq., *Platycyparis funebris* (Endl.) A.V.Bobrov & Melikyan

## 3.Systematic Position:

**Christenhusz et al. (2011)**

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Cupressales Link
- Family: Cupressaceae Gray
- Genus: *Cupressus* L.
- Species: *Cupressus funebris* Endl.

**Bentham and Hooker (1862)**

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Coniferae

Tribus: Cupressineae

Genus: *Cupressus* L.

Species: *Cupressus funebris* Endl.

## 4.Distribution:

**Global:** Native of central China

**India:** Bhutan, Nepal, Sikkim, Tamil Nadu, East Himalayas

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

## 6.Threat Status:

**IUCN:** Least concern

**BSI:**

**7.Habit and Habitat:** Evergreen tree (20-35 m tall), well drained soils can grow in nutritionally poor soils, this species is found in mixed mountain forest or woodland.

**8.LifeForm:**Phanerophytes

**9.Economic Importance:**This species is widely planted in China as an ornamental, it is especially common in Buddhist temple grounds. Its wood is also considered valuable due to its durability and traditionally it was used for coffins for this reason.

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**10. Probable Progenitor of:**

**11.DNA**

**C-value**

**Methodology**

2C (21.51pg)<sup>4</sup>

Flow cytometry<sup>4</sup>

**12.Basic chromosome number(s):** $x=11$ <sup>5, 6, 7, 8</sup>

**13. Zygotic chromosome number(s):** $2n=22$ <sup>6</sup>

**14. Gametic chromosome number(s):** $n=11$ <sup>7</sup>

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

Image file

**16.Ploidy level:**Diploid<sup>6, 7, 8</sup>

Image file

**17.Agametoploidy:**

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

**19.Genomic formula:**

**20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):**

## **21.Somatic chromosomes:**<sup>8</sup>

**Karyotype**Median and submedian one pair subterminal<sup>8</sup>

**Chromosome size**Large<sup>8</sup>

**NOR chromosome(s)**2<sup>8</sup>

**Degree of asymmetry**Symmetrical<sup>8</sup>

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**11 II<sup>7</sup>

Image file

## **27.Chromosome distribution at anaphase I:**

## **28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level**

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):**