

Pleurosigma directum Grunow

in Cleve & Grunow, *Kongl. Svenska Vetensk. Acad. Handl.*, ser. 4, 17: 53 (1880)

Type locality: Arctic (?)

Australian distribution: N & NW Australia, Tas. (SE coast)

References: G.M.Hallegraeff & S.W.Jeffrey, Tropical phytoplankton species and pigments of continental shelf waters of north and north-west Australia, *Mar. Ecol. Prog. Ser.* 20: 59–74 (1984)

F.J.Scott & D.P.Thomas, Diatoms, *Antarctic Marine Protists* 13–201 (2005)

K.Saunders, C.Lane, S.Cook, A.McMinn & G.M.Hallegraeff, Benthic diatoms, *Algae of Australia: Phytoplankton of Temperate Coastal Waters* 120 (2010)

Extra-Australian distribution: U.S.A. (NE coast), British Isles, Mediterranean Sea, W and S India, W and N Pacific Ocean, Southern Ocean, Antarctica