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Batabulin Sodium

National Cancer Institute

Source

National Cancer Institute. *Batabulin Sodium*. NCI Thesaurus. Code C1835.

The sodium salt form of batabulin, a synthetic pentafluorophenylsulfonamide with potential antineoplastic activity. Batabulin covalently binds to and selectively modifies the beta 1, beta 2, beta 3, and beta 4 isotypes of beta tubulin at a conserved cysteine residue, resulting in disruption of microtubule polymerization, collapse of the cytoskeleton, an increase in chromosomal ploidy, cell cycle arrest, and tumor cell apoptosis.