

Antialgal and antifungal activity of natural hydroxamic acids and related compounds

Bravo, Héctor R.

Lazo, Waldo

Natural hydroxamic acids and related compounds derived from 1,4-benzoxazin-3-one structures inhibited the growth of the alga *Chlorella xanthella* and the fungus *Candida albicans*. On the basis of structure-activity relationships the lipophilic character of the substituent in the aromatic ring and the electrophilic character of the hydroxamic function are suggested to be responsible for antialgal and antifungal activity, respectively.