

Publication 2017

1. "Ferrocenyl naphthalene diimides as tetraplex DNA binders,"
Shinobu Sato and Shigeori Takenaka,
Journal of Inorganic Biochemistry, **167**, 21-26 (2017).
2. "Cyclic ferrocenylnaphthalene diimide derivative as a new class of G-quadruplex DNA binding ligand,"
Md. Monirul Islam, Shinobu Sato, Shingo Shinozaki, Shigeori Takenaka,
Bioorganic & Medicinal Chemistry Letters, **27**, 329-335 (2017).
3. "Oral cancer screening based on methylation frequency detection in hTERT gene using electrochemical hybridization assay via a multi-electrode chip coupled with ferrocenylnaphthalene diimide,"
Kazuya Haraguchi, Shinobu Sato, Manabu Habu, Naomi Yada, Mana Hayakawa, Osamu Takahashi, Izumi Yoshioka, Kou Matsuo, Kazuhiro Tominaga, and Shigeori Takenaka,
Electroanalysis, **29**, 1596-1601 (2017).
4. "The methylation status and expression of human telomerase reverse transcriptase is significantly high in oral carcinogenesis,"
Kazuya Haraguchi, Naomi Yada, Shinobu Sato, Manabu Habu, Mana Hayakawa, Osamu Takahashi, Masaaki Sasaguri, Shigeori Takenaka, Izumi Yoshioka, Kou Matsuo, Kazuhiro Tominaga,
APMIS(Acta pathologica, microbiologica, et immunologica Scandinavica), **125**, 797-807 (2017).
5. "Electrochemical Hybridization Assay for Methylation detection of the hTERT Gene Connected with Oral Cancer Screening,"
Shinobu Sato, Kazuya Haraguchi, Mana Hayakawa, Kazuhiro Tominaga, Shigeori Takenaka,
BUNSEKI KAGAKU, **66**(6), 437-443 (2017).
6. "Modified naphthalene diimide as a suitable tetraplex DNA ligand: application to cancer diagnosis and anti-cancer drug,"
Shigeori Takenaka,
Proc. SPIE 10324,103240G (2017); doi: 10.1117/12.2271575

7. "Cyclic perylene diimide: Selective ligand for tetraplex DNA binding over double stranded DNA,"

Suresh Vasimalla, Shinobu Sato, Fuminori Takenaka, Yui Kurose, Shigeori Takenaka,

Bioorganic & Medicinal Chemistry,**25**, 6404-6411 (2017).