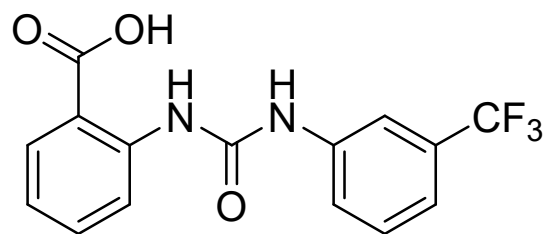


Санкт-Петербургский государственный Технологический
институт (Технический университет)

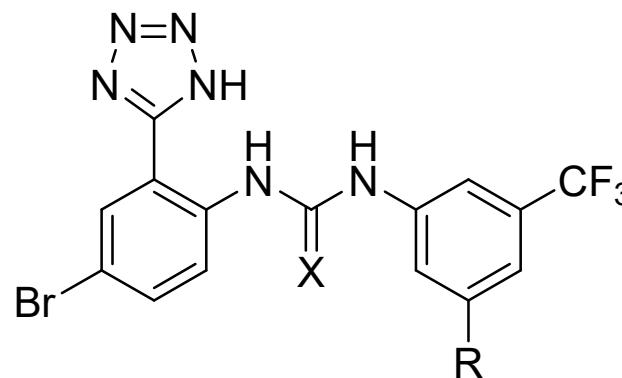
**Кафедра химической технологии
органических красителей и
фототропных соединений**

Ворона Светлана Владимировна, к.х.н., старший преподаватель

Препараты на основе дифенилмочевины (обратимые ингибиторы анионного транспорта)



NS1652

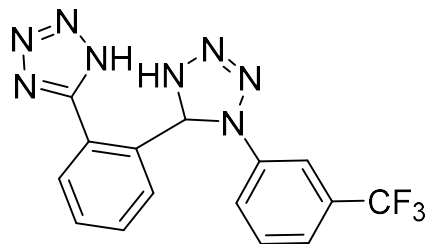
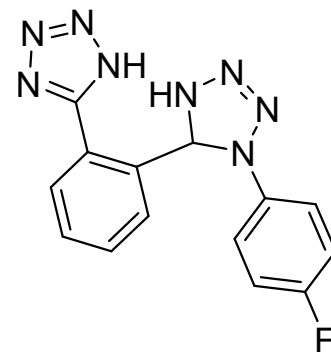
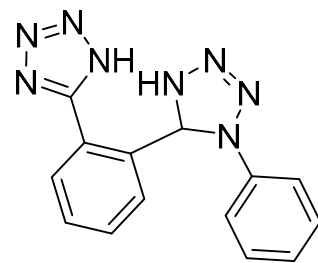
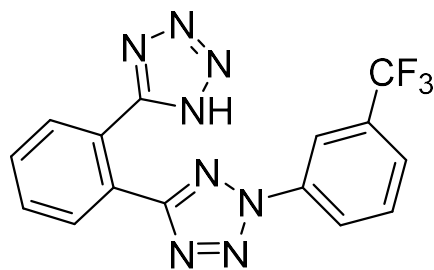
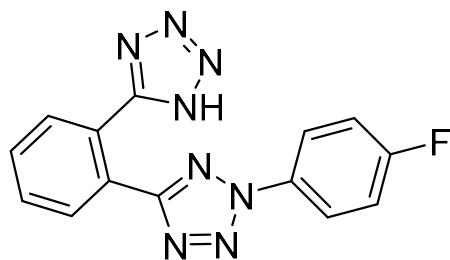
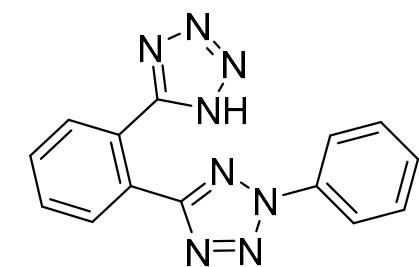


NS3623 X = O; R = H

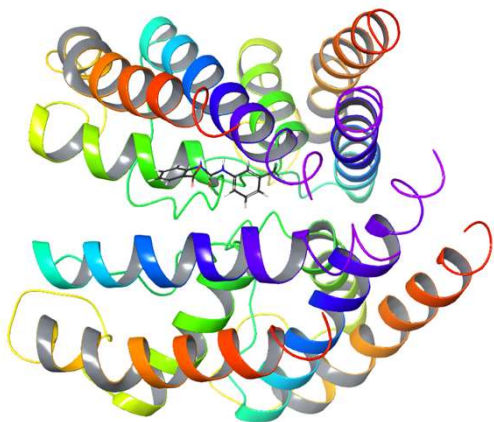
NS3728 X = O; R = CF₃

NS11021 X = S; R = CF₃

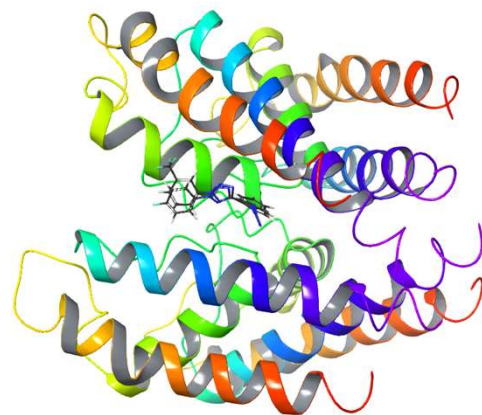
Потенциальные активаторы калиевых каналов



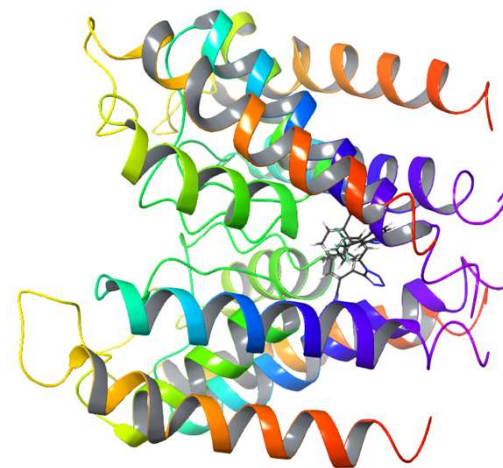
2AFL
(Kv 11.1)



NS1652



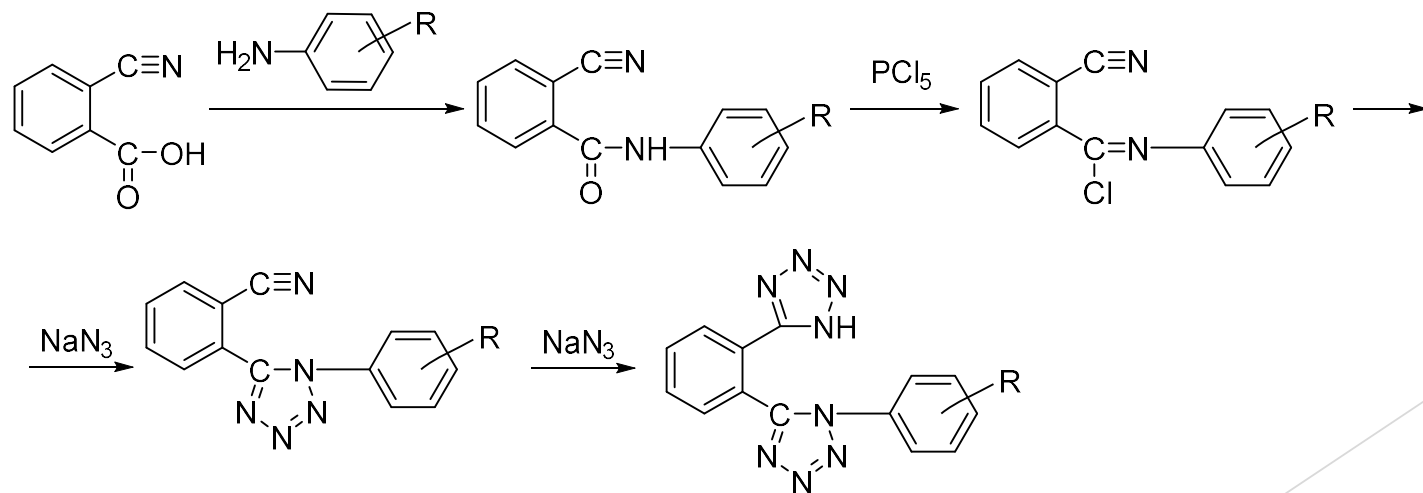
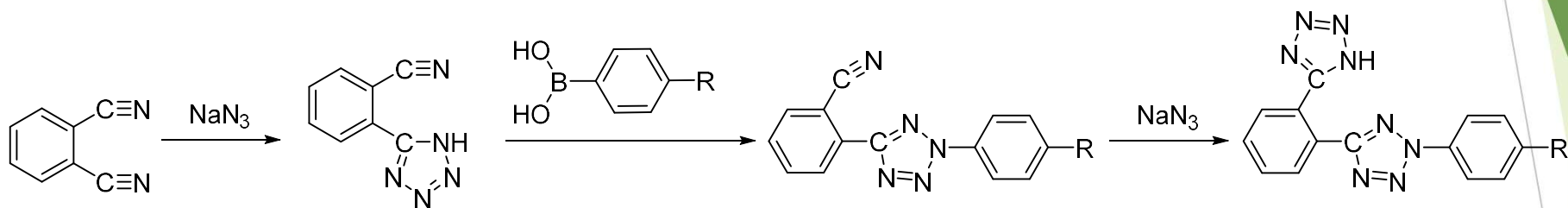
2N (F,CF3)



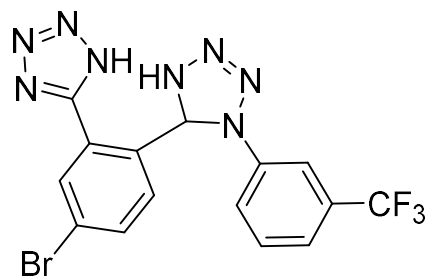
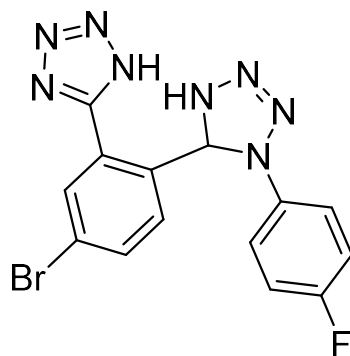
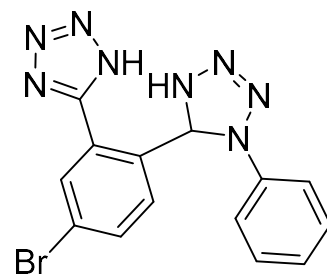
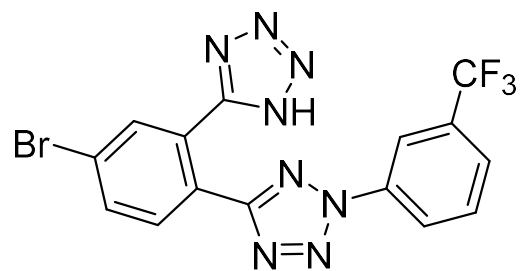
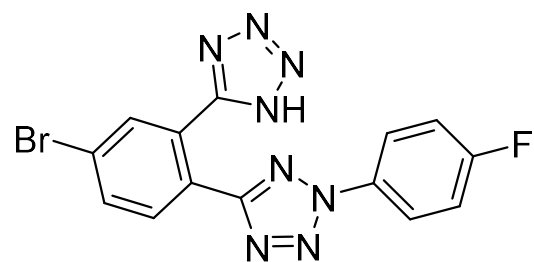
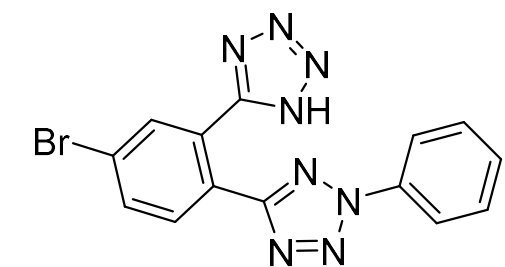
1N (F,CF3)

| | Glide Score | Glide Emodel |
|-----------|-------------|--------------|
| NS16525 | -5.808 | -18.241 |
| 2N (mCF3) | -5.671 | -46.737 |
| 2N (pF) | -5.274 | -42.518 |
| 1N (mCF3) | -5.092 | -51.437 |
| 1N (pF) | -4.536 | -43.434 |

Общая схема синтеза

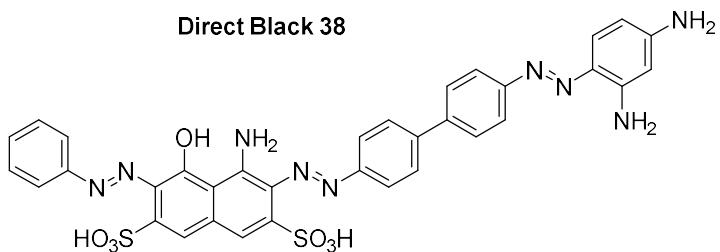


Потенциальные блокаторы хлоридных каналов

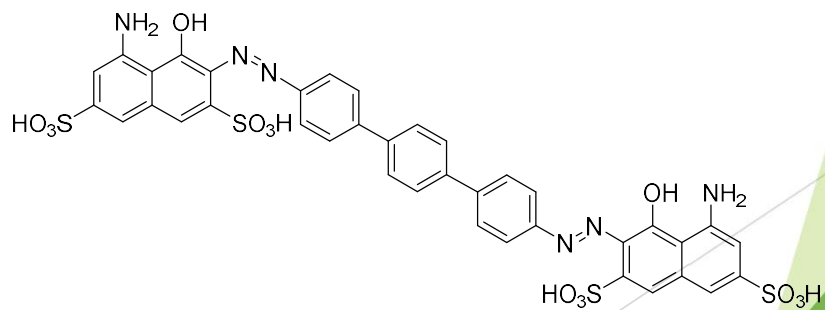
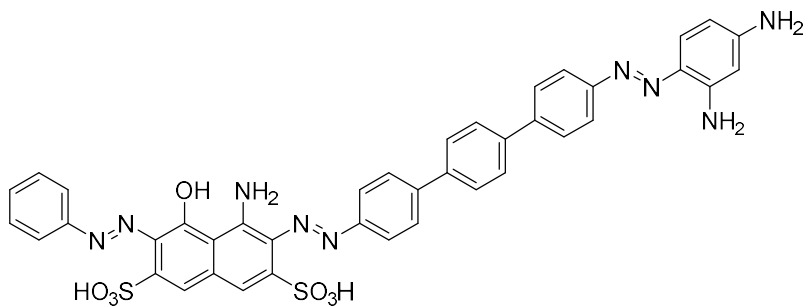
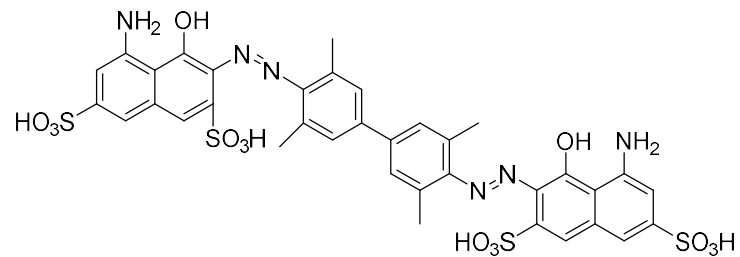
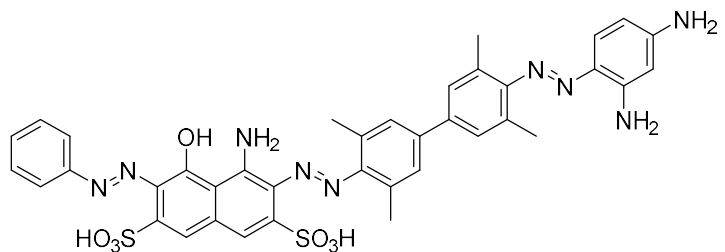
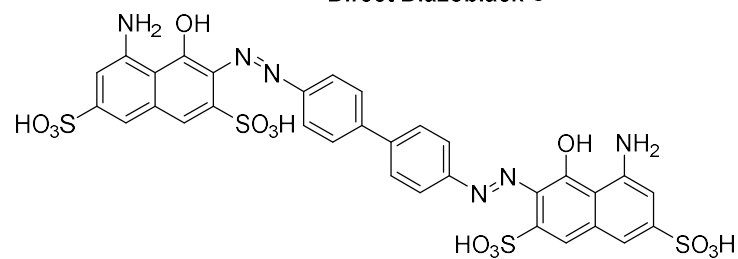


Потенциальные противовирусные агенты

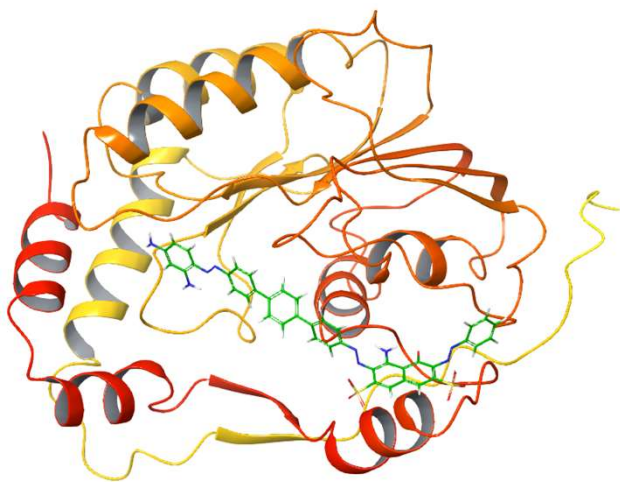
Direct Black 38



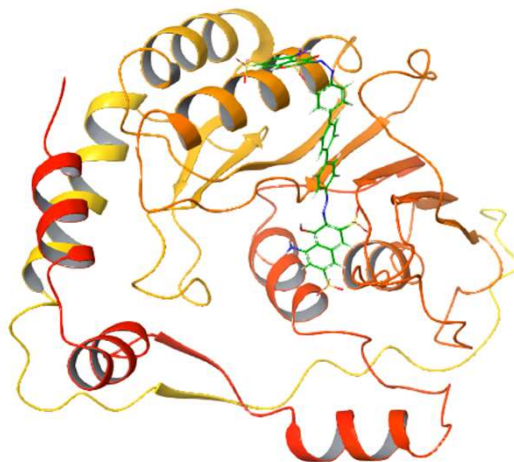
Direct Diazoblack C



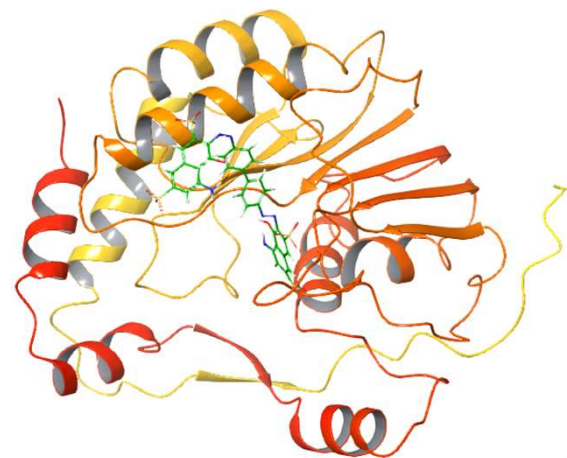
1R6A (dengue virus 2'O methyltransferase)



Direct Black 38



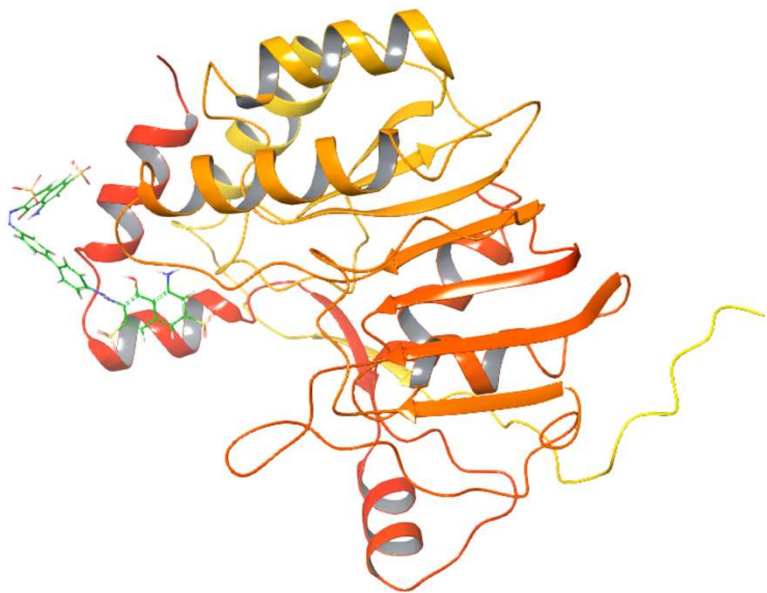
Direct Diazoblack C (3Ph)



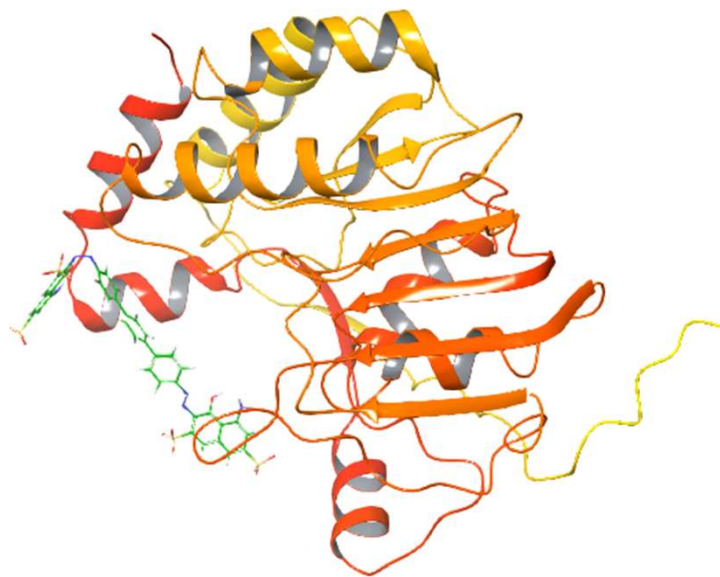
Direct Diazoblack C

| | Glide Score | Glide Emodel |
|---------------------------|-------------|--------------|
| Direct Black 38 | -6.365 | -70.538 |
| Direct Diazoblack C (3Ph) | -5.812 | -57.207 |
| Direct Diazoblack C | -5.666 | -72.777 |

1R6A (dengue virus 2'O methyltransferase)



Direct Diazoblack C



Direct Diazoblack C (3Ph)

| | Glide Score | Glide Emodel |
|---------------------------|-------------|--------------|
| Direct Diazoblack C | -6.172 | -73.629 |
| Direct Diazoblack C (3Ph) | -4.763 | -51.937 |