

Free in vivo testing: Unleash your molecule's potential as a crop protector

Background

You've already done all the hard work of synthesizing your molecule. Maybe it wasn't the blockbuster pharmaceutical you envisioned, but it still has potential! Now, we would like to partner to bring new life and impact from your chemistry. You may submit multiple compounds, and we will screen them using our computer models. If they are selected, you will receive the biological results for each compound as a potential herbicide, fungicide and insecticide, and you are free to publish the results.

If there is a hit, it's up to you to decide about follow up collaboration. Start the collaboration with us: let's discover together if that next crop protection blockbuster is sitting in your deep freezer!

Process

1. Submit proposal on Halo
2. Sign MTA agreement through DocuSign
3. Upload file with structures to BASF's platform
4. In silico evaluation & BASF decision
5. In vivo test of selected compound at BASF
6. Return of in vivo results for publication
7. Further collaboration

What we're looking for

We are looking for novel compounds, such as organic molecules, natural products, and fragment-like molecules, which could be subjected to screening within our research facility, with the goal of developing new crop protection products.

Solutions of interest include:

- Small organic molecules
- Natural products
- Virtual compounds (if deliverable as physical sample by partner after positive in silico testing by BASF)
- Single chemical compounds (in a dry form)

Our must-have requirements are:

- The minimum amount of compound we will accept is 5 mg (the standard amount is 8 mg).
- The material shall have purity greater than 80% as determined by current state-of-the-art analysis.

Our nice-to-have requirements are:

- Additional amounts of compound available for further screenings (20-100 mg) if needed.
- Analogues compounds of submitted molecule if the parent compound turns out to be a hit in the initial screening.

What's out of scope:

- Extracts or mixtures of compounds
- Solutions in solvents
- Metal-containing molecules
- Polymers
- Nanoparticles
- Microorganisms
- Toxic or explosive compounds

What we can offer you

Eligible partnership models:

- **Material transfer**

Benefits:

Data

Biological results from the preliminary tests and results from philanthropic public health programs against human pathogens (e.g. malaria)-if selected by BASF and priori agreed with partner to test.

Expertise

Partner receive logistic support and guidance over each step of the collaboration. Possibility to develop further collaboration with BASF researchers, based on preliminary results.

Facilities and Services

Free shipping of participant's compounds to BASF. To ensure the best solution and simple procedures, we also provide you free of charge our packaging materials (vials/tubes and boxes).

Compounds and Reagents

Synthesis cost for the re-ordered compound for further in vivo tests could be reimbursed.

Reviewers

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Collaboration & Scouting NA

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