

Research & Services | Design and synthesis of novel pharmacologically active phosphorus containing compounds (Yissum)

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[Eli Breuer](#), HUJI, School of Pharmacy, Medicinal chemistry & Natural products

Categories

Medicinal Chemistry

Laboratory of Organophosphorus Medicinal Chemistry, Institute for Drug Research, School of Pharmacy, Faculty of Medicine, Ein Kerem Campus, Jerusalem Israel.

<http://research.ekmd.huji.ac.il/researchers.asp?id=264>

Research Capabilities

- Collaborative chemistry-biology projects in which our laboratory supplies the chemical expertise.
- Drug design and synthesis.

Advantages

Unique expertise in chemical synthesis.

Research Background

The purpose of our research is to develop new types of inhibitors of enzymes which cause harmful effects in the following diseases: cancer metastasis, arthritis, osteoporosis, multiple sclerosis, arteriosclerosis, restenosis, meningitis, congestive heart failure, chronic obstructive pulmonary disease, chronic wounds, liver cirrhosis, cerebral ischemia and others.

Researcher and Research Interests

Eli Breuer, Hans J. and Tilly Weil Professor Emeritus of Medicinal Chemistry.

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The design and synthesis of new types of inhibitors of matrix metalloproteinases involved in connective tissue disorders.

The design and synthesis of new types of chemosensitizers for reversing multidrug resistance.

Available Resources

Laboratory equipment used in synthetic organic chemistry


Laboratory Contact

Prof. Eli Breuer elib@ekmd.huji.ac.il +972-2-675-8704, +972-52-383-4013.

Previous experience and work with industry:

Syntex Research, Palo Alto CA, Searle Research, Skokie, IL. Teva, Israel, Bioline, Israel.

Contact for more information:

Itzik Goldwasser , VP, Head of Research Collaborations , +972-2-6586685

Yissum Research Development Company of the Hebrew University of Jerusalem
Hi-Tech Park, Edmond J. Safra Campus, Givat-Ram, Jerusalem P.O. Box 39135, Jerusalem 91390
Israel Telephone: 972-2-658-6688, Fax: 972-2-658-6689