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## Research of novel anticancer agents targeting arginase inhibition

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### Highlights:

- Key roles of arginase in growth and control of cancer
- Interest in arginase inhibition for cancer therapy
- Relevant categories of arginase inhibitors and their anticancer activities
- Perspectives of arginase inhibitors as novel anticancer agents

*Teaser:* Arginase has emerged as a promising target for cancer prevention and treatment. This review gives the key roles of arginase in cancer development, the interest in arginase inhibition and the potential of arginase inhibitors for cancer therapy.

Arginase plays an important part in L-arginine metabolism. This metalloenzyme also regulates polyamine biosynthesis, nitric oxide production and the T-cell-mediated immune response, which are all involved in the

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