

Tis108/内源独脚金内酯合成抑制剂

产品储存: 粉末-20°C避光保存; 溶液-80°C保存。

产品规格: 5 mg/ 25 mg /100 mg

产品参数:

CAS: 1315459-30-3

英文名称: TIS108

分子式: C₂₀H₂₁N₃O₂

分子量: 335.4

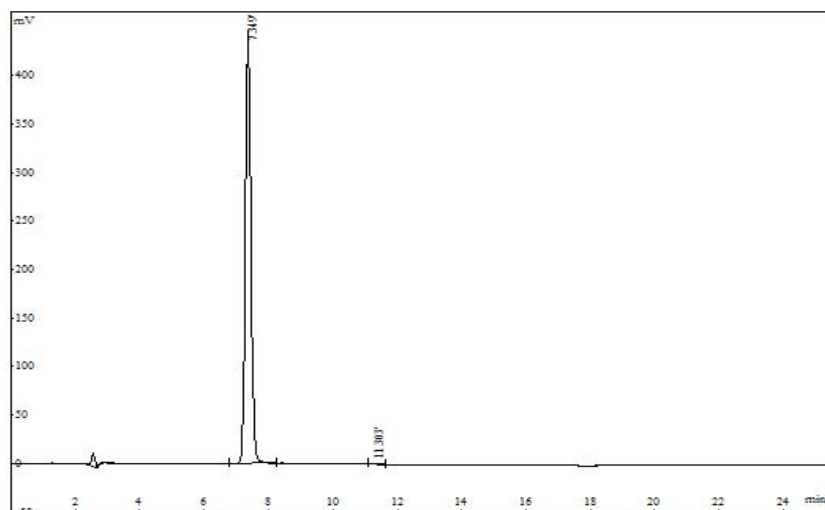
纯度: >98%

溶解性: 可溶于丙酮和 DMSO

产品简介:

Tis108 可以抑制植物体内的独脚金内酯合成, 一般用作对照试验。

TIS108 is a triazole-type strigolactone (SL)-biosynthesis inhibitor that reduces the level of 2'-epi-5-deoxystrigol (epi-5DS) in rice. Here we report the effects of TIS108 on Arabidopsis. Treatment of TIS108 increased the number of branches and repressed root hair elongation as was observed in SL-deficient mutants, and co-application of GR24, a synthetic SL analog, recovered the TIS108-induced phenotype to that of wild-type. In addition, MAX3 and MAX4 genes in the SL-biosynthesis pathway were upregulated in TIS108-treated Arabidopsis, probably due to feedback regulation caused by SL deficiency. These results indicate that TIS108 is an effective tool for regulating SL production in Arabidopsis.



序号	保留时间	名称	浓度	峰面积	峰高	理论塔板数
1	7.349		99.9	5241469	447876	9202
2	11.303		0.09475	4971	341	14027
总计			100	5246440	448217	

液相色谱图

注意事项:

1. 避光保存。
2. 一旦配成储备液，建议分装保存，避免反复冻融造成产品失效。
3. 本产品仅供科研使用。请勿用于医药、临床诊断或治疗，食品及化妆品等用途。
4. 为了您的安全和健康，请穿好实验服并佩戴一次性手套和口罩操作。
5. 产品信息仅供参考，如有疑问请致电 400-878-6800 咨询。