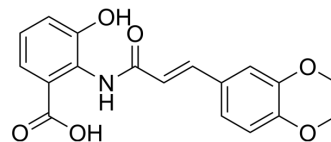


3,4-DAA

Cat. No.:	HY-161255
CAS No.:	2117759-07-4
Molecular Formula:	C ₁₈ H ₁₇ NO ₆
Molecular Weight:	343.33
Target:	NO Synthase
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3,4-DAA is an orally active Anthranilic acid derivative with potent immunosuppressive activities. 3, 4-DAA can alleviate the severity of colitis through inhibiting Th1 cells response, promoting Th2 cytokines expression and inducing CD4⁺CD25⁺ T cells expression^[1]. 3,4-DAA suppressed expression of inducible nitric oxide synthase (iNOS) and nitric oxide (NO) release from EOC20 cells induced by IFN- γ and Lipopolysaccharide^[2].

REFERENCES

[1]. Quan Wen, et al. N-(3', 4'-dimethoxycinnamonyl) anthranilic acid alleviated experimental colitis by inhibiting autoimmune response and inducing CD4⁺ CD25⁺ regulatory T cells production. *J Gastroenterol Hepatol*. 2013 Aug;28(8):1330-8.

[2]. Michael Platten, et al. Treatment of autoimmune neuroinflammation with a synthetic tryptophan metabolite. *Science*. 2005 Nov 4;310(5749):850-5.

Caution: Product has not been fully validated for medical applications. For research use only.

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