

Specification : Anti-cancer Medicinal Plant Extract /

สารสกัดสมุนไพรต้านมะเร็ง (Manose RM-0050)

(Application : An active ingredient for anti-cancer food supplements/

สารสำคัญในผลิตภัณฑ์เสริมอาหารต้านมะเร็ง)

1. Name of the raw material : Anti-cancer Medicinal Plant Extract
2. Active components : Tannin, flavonoids and alkaloids<sup>(1-2)</sup>
3. Common and scientific name /  
Family of the plant : Tabtao (*Polyalthia debilis* Finet et Gagnep.)/  
ANNONACEAE and Bael (*Aegle marmelos* (L.)  
Correa)/ Rutaceae
4. Physical appearance : Dark brownish solid with specific odor
5. pH : 5
6. Standardization : HPLC fingerprint using tannin as a marker
7. Solubility : Soluble in water
8. Microbial contamination : No pathogenic microorganism with less than  
1,000 cfu/g of the total plate count of  
bacteria, yeast and fungi which is conformed  
to the Thai FDA regulation
9. Biological activities : Anti-proliferative activity with the potency of :
  - 0.17 folds of doxorubicin
  - 0.02 folds of vincristine
  - 1.34 folds of cisplatin
  - 0.58 folds of 5-FU
10. Animal / human performance  
test : Anti-tumor activity in animals<sup>(1)</sup>
11. Safety : LD<sub>50</sub> > 5 g/Kg BW in rats

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12. Pharmaceutical, food supplement or cosmetic applications : anti-cancer food supplements
13. Recommended concentrations in the product : 322 mg/capsule
14. Storage : Keep in tight and light protection container at room temperature
15. Precautions : None
16. Cost per kg : Please request

## References

1. Kitdamrongtham W, Manosroi A, Akazawa H, Gidado A, Steinrut P, Manosroi W, Lohcharoenkal W, Akihisa T, Manosroi J. (2013) Potent anti-cervical cancer activity : Synergistic effect of Thai medicinal plants in recipe N040 selected from the MANOSROI III database. *Journal of Ethnopharmacology*. 149: 288-296 (Corresponding author and co-authors are from Manose Health and Beauty Research Center)
2. Rahman S, Parvin R. (2014) Therapeutic potential of *Aegle marmelos* (L.) An overview. *Asian Pacific Journal of Tropical Disease*. 4(1) : 71-77