

# MEMORANDUM

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
NATIONAL INSTITUTES OF HEALTH  
NATIONAL CANCER INSTITUTE

TO : Dr. Arthur S. Barclay, MPRL, USDA

DATE: October 12, 1978

FROM : Dr. Matthew Suffness, PAPS, NPB



*Rich*

SUBJECT: Recollection of KB Actives

Our experience with isolation of useful compounds from plants which are active in KB only (inactive in PS) has been disappointing. We have been able to isolate the active compounds but subsequent testing in in vivo systems has failed to show enough activity to make any of these compounds candidates for further development. We do not feel we can afford to drop the KB system since it is the only screen we have other than PS but what we will be doing is testing all KB actives which would normally be candidates for recollection in two solid tumor systems, the B16 melanoma and Colon 38, to determine whether any of the KB active PS inactive compounds have any activity against solid tumors. If they do we will recollect them but if not we will assume that they are only cytotoxic and have no useful in vivo activity and will drop them from the want list.

It is important to decrease the number of KB actives going to the fractionators since they appear to be generally unproductive. Therefore what I want you to do is to put a hold on all KB actives with no PS activity which are on the want list until we can get reextractions made on the original samples and get the solid tumor test results. As these results come in I will tell you whether to drop these KB actives from the want list entirely or to proceed with recollection. There may be a few KB actives on the want list which are marked as being under fractionation and these should be recollected in order to complete ongoing work.

In talking to Mae she said that almost everything on the want list was already on order. I want you to contact your suppliers and inform them not to collect the KB actives if they have not already started on them. I realize that this is a significant amount of work for you but if we can cut off those recollections which are apt to be less productive and get more PS actives this year we will be a lot further ahead. For any KB actives which the suppliers are already working on we will of course take shipment as usual.

On all future additions to the want list I will get the solid tumor data before putting KB actives on the list so that any new KB actives that are requested will be valid for recollection.

Please give me a call if you have any questions or need clarification on any point. Thank you very much.

cc: Mrs. Hatcher  
Dr. Douros

Matthew Suffness